

# HPS6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56681

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF, ICC, E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Primary Accession</b>       | <a href="#">Q86YV9</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>              | Rat, Pig, Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Calculated MW</b>           | 82975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human HPS6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Epitope Specificity</b>     | 501-600/775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SUBCELLULAR LOCATION</b>    | Microsome membrane. Cytoplasm > cytosol. Early endosome membrane.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>DISEASE</b>                 | Defects in HPS6 are the cause of Hermansky-Pudlak syndrome type 6 (HPS6) [MIM:614075]. Hermansky-Pudlak syndrome (HPS) is a genetically heterogeneous, rare, autosomal recessive disorder characterized by oculocutaneous albinism, bleeding due to platelet storage pool deficiency, and lysosomal storage defects. This syndrome results from defects of diverse cytoplasmic organelles including melanosomes, platelet dense granules and lysosomes. Ceroid storage in the lungs is associated with pulmonary fibrosis, a common cause of premature death in individuals with HPS. |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Background Descriptions</b> | This intronless gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. This protein interacts with Hermansky-Pudlak syndrome 5 protein. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 6. [provided by RefSeq, Jul 2008]                                                                                                                                                                                                                                                 |

## Additional Information

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|---------------------------|---------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 79803                                                                                       |
| <b>Other Names</b>        | Hermansky-Pudlak syndrome 6 protein, Ruby-eye protein homolog, Ru, HPS6                     |
| <b>Target/Specificity</b> | Ubiquitous.                                                                                 |
| <b>Dilution</b>           | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| <b>Storage</b>            | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When                       |

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

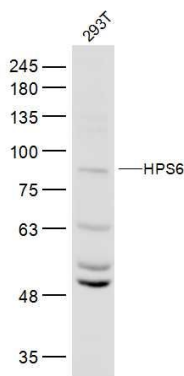
## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | HPS6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>          | May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules (PubMed: <a href="#">17041891</a> ). Acts as a cargo adapter for the dynein- dynactin motor complex to mediate the transport of lysosomes from the cell periphery to the perinuclear region. Facilitates retrograde lysosomal trafficking by linking the motor complex to lysosomes, and perinuclear positioning of lysosomes is crucial for the delivery of endocytic cargos to lysosomes, for lysosome maturation and functioning (PubMed: <a href="#">25189619</a> ). |
| <b>Cellular Location</b> | Microsome membrane. Cytoplasm, cytosol. Early endosome membrane. Lysosome membrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Location</b>   | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Images

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Sample:  
293T(Human) Cell Lysate at 30 ug  
Primary: Anti-HPS6 (AP56681) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 83 kD  
Observed band size: 83 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.