

# HPS5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP20048a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9UPZ3</a>
<b>Other Accession</b>	<a href="#">NP_009147.3</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB42226
<b>Calculated MW</b>	127449
<b>Antigen Region</b>	88-116

## Additional Information

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<b>Gene ID</b>	11234
<b>Other Names</b>	Hermansky-Pudlak syndrome 5 protein, Alpha-integrin-binding protein 63, Ruby-eye protein 2 homolog, Ru2, HPS5, AIBP63, KIAA1017
<b>Target/Specificity</b>	This HPS5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-116 amino acids from the N-terminal region of human HPS5.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HPS5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HPS5
<b>Synonyms</b>	AIBP63, KIAA1017
<b>Function</b>	May regulate the synthesis and function of lysosomes and of highly

specialized organelles, such as melanosomes and platelet dense granules. Regulates intracellular vesicular trafficking in fibroblasts. May be involved in the regulation of general functions of integrins.

#### Cellular Location

Cytoplasm, cytosol.

#### Tissue Location

Widely expressed. Isoform 1:Highly expressed in lungs and testis. Isoform 2:Highly expressed in placenta, kidney, testis ovary, lung and thymus.

## Background

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This 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 6 protein and may interact with the cytoplasmic domain of integrin, alpha-3. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 5. Multiple transcript variants encoding two distinct isoforms have been identified for this gene.

## References

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Help-Wooley, A., et al. J. Invest. Dermatol. 127(6):1471-1478(2007)

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)

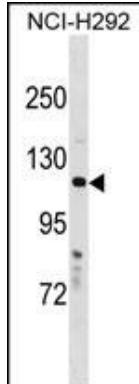
Huizing, M., et al. Platelets 18(2):150-157(2007)

Huizing, M., et al. Traffic 5(9):711-722(2004)

Di Pietro, S.M., et al. Traffic 5(4):276-283(2004)

## Images

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HPSS5 Antibody (N-term) (Cat. #AP20048a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the HPSS5 antibody detected the HPSS5 protein (arrow).

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