

# Anti-PSAP / Prosaposin Antibody (aa307-356)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18365

## Product Information

|                          |                        |
|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC-P, E           |
| <b>Primary Accession</b> | <a href="#">P07602</a> |
| <b>Predicted</b>         | Human                  |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Isotype</b>           | IgG                    |
| <b>Calculated MW</b>     | 58113                  |

## Additional Information

|                                     |                                                                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                      | 5660                                                                                                                          |
| <b>Alias Symbol</b>                 | PSAP                                                                                                                          |
| <b>Other Names</b>                  | PSAP, Cerebroside sulfate activator, GLBA, Proactivator polypeptide, Prosaposin, SAP1                                         |
| <b>Target/Specificity</b>           | PSAP Antibody detects endogenous levels of total PSAP protein.                                                                |
| <b>Reconstitution &amp; Storage</b> | Immunoaffinity purified                                                                                                       |
| <b>Precautions</b>                  | Anti-PSAP / Prosaposin Antibody (aa307-356) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | PSAP ( <a href="#">HGNC:9498</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>          | GLBA, SAP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>          | Saposins are specific low-molecular mass non-enzymatic glycoproteins that act as activator proteins for lysosomal sphingolipid-degrading enzymes, facilitating the hydrolysis of sphingolipids by extracting lipid substrates from membranes and presenting them to their respective enzymes. They are derived from a common precursor protein, prosaposin, which is proteolytically cleaved to yield four homologous proteins (saposin A, B, C, and D), each with distinct but partially overlapping lipid and enzyme specificities. |
| <b>Cellular Location</b> | Lysosome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |