

HPS6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56681

Specification

HPS6 Polyclonal Antibody - Product Information

| | |
|--------------------------------|---|
| Application | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q86YV9 |
| Reactivity | Rat, Pig, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 83 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human HPS6 |
| Epitope Specificity | 501-600/775 |
| Isotype | IgG |
| Purity | |
| affinity purified by Protein A | |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Microsome membrane. Cytoplasm > cytosol. Early endosome membrane. |
| DISEASE | 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. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

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]

HPS6 Polyclonal Antibody - Additional Information

Gene ID 79803

Other Names

Hermansky-Pudlak syndrome 6 protein, Ruby-eye protein homolog, Ru, HPS6

Target/Specificity

Ubiquitous.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

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.

HPS6 Polyclonal Antibody - Protein Information

Name HPS6

Function

May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules (PubMed:17041891). 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:25189619).

Cellular Location

Microsome membrane. Cytoplasm, cytosol. Early endosome membrane. Lysosome membrane

Tissue Location

Ubiquitous.

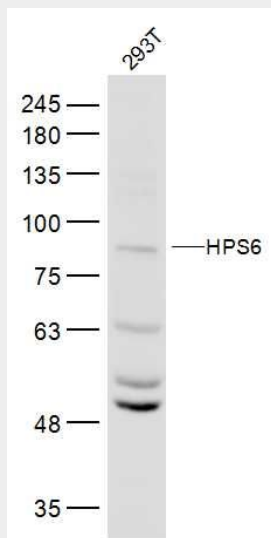
HPS6 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

HPS6 Polyclonal Antibody - Images



Sample:

293T(Human) Cell Lysate at 30 ug

Primary: Anti-HPS6 (bs-17384R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 83 kD

Observed band size: 83 kD