

Goat Anti-HPS6 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1540a**Specification**

Goat Anti-HPS6 Antibody - Product Information

Application	WB, E
Primary Accession	Q86YV9
Other Accession	NP_079023 , 79803
Reactivity	Human
Predicted	Mouse, Rat, Pig
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	82975

Goat Anti-HPS6 Antibody - Additional Information**Gene ID** 79803**Other Names**

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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-HPS6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-HPS6 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:<a

[17041891](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/25189619)).

Cellular Location

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

Tissue Location

Ubiquitous.

Goat Anti-HPS6 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](#)

Goat Anti-HPS6 Antibody - Images



AF1540a staining (1 µg/ml) of Human Lung lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-HPS6 Antibody - Background

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.

Goat Anti-HPS6 Antibody - References

Clinical and cellular characterisation of Hermansky-Pudlak syndrome type 6. Huizing M, et al. J Med Genet, 2009 Dec. PMID 19843503.

A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. Am J Hum Genet, 2006 Jan. PMID 16385451.

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Characterization of BLOC-2, a complex containing the Hermansky-Pudlak syndrome proteins HPS3, HPS5 and HPS6. Di Pietro SM, et al. Traffic, 2004 Apr. PMID 15030569.