

HPS5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20048a

Specification

HPS5 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9UPZ3
Other Accession	NP_009147.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	127449
Antigen Region	88-116

HPS5 Antibody (N-term) - Additional Information

Gene ID 11234

Other Names

Hermansky-Pudlak syndrome 5 protein, Alpha-integrin-binding protein 63, Ruby-eye protein 2 homolog, Ru2, HPS5, AIBP63, KIAA1017

Target/Specificity

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.

Dilution

WB~~1:1000

Format

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.

Storage

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.

Precautions

HPS5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HPS5 Antibody (N-term) - Protein Information

Name HPS5

Synonyms AIBP63, KIAA1017

Function 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

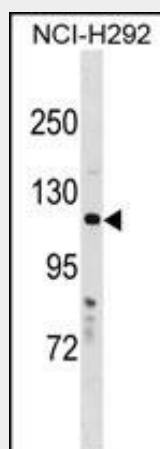
Widely expressed. Isoform 1:Highly expressed in lungs and testis. Isoform 2:Highly expressed in placenta, kidney, testis ovary, lung and thymus.

HPS5 Antibody (N-term) - 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](#)

HPS5 Antibody (N-term) - Images



HPS5 Antibody (N-term) (Cat. #AP20048a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the HPS5 antibody detected the HPS5 protein (arrow).

HPS5 Antibody (N-term) - Background

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.

HPS5 Antibody (N-term) - References

Helip-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)