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HPS5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20048a

Product Information

Application	WB, E
Primary Accession	Q9UPZ3
Other Accession	NP_009147.3
Reactivity	Human
Predicted	Mouse, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42226
Calculated MW	127449
Antigen Region	88-116

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 E~~Use at an assay dependent concentration.
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.

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.

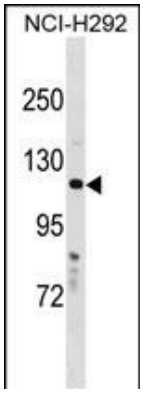
Background

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.

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)
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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).

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