Rabbit HPS5 Polyclonal Antibody | anti-HPS5 antibody

HPS5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323105	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

HPS5; Polyclonal Antibody; HPS5 Antibody; AIBP63; Alpha integrin binding protein 63; BLOC2S2; Hermansky Pudlak syndrome 5 protein; biogenesis of lysosomal organelles complex 2 subunit 2; Ru2; Ruby eye protein 2 homolog; anti-HPS5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HPS5 antibody detects endogenous levels of HPS5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1015
Applicable Applications for anti-HPS5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HPS5.
Subcellular Location	Cytosol
Tissue Specificity	Widely expressed. Isoform 1:Highly expressed in lungs and testis. Isoform 2:Highly expressed in placenta, kidney, testis ovary, lung and thymus.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Pig (100%), Zebrafish (90%), Bovine (91%), Horse (100%), Sheep (91%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IHC (Immunohiostchemistry)
AAA323105 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of mouse spleen tissue, using HPS5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HPS5 antibody	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. Subunit Structure: Component of the biogenesis of lysosome-related organelles complex-2 (or BLOC2) composed of HPS3, HPS5 and HPS6. Interacts with HPS6 (PubMed:15030569, PubMed:25189619). Interacts with HPS3 (PubMed:15030569). May interact with all alpha-integrin chains that have an aromatic residue before the first lysine of the conserved KXGFFKR motif, including ITGA2, ITGA3, ITGA5 and ITGA6 (PubMed:10094488). Similarity: Belongs to the HPS5 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31657127
NCBI GeneID	11234
NCBI Accession #	NP_009147.3
NCBI GenBank Nucleotide #	NM_007216.3
UniProt Accession #	Q9UPZ3; O95942; Q8N4U0; A8K6J8; A8K8S1; D3DQX9; D3DQY0
Molecular Weight	Observed: 135-141 kDa Predicted: 128 kDa
NCBI Official Full Name	Hermansky-Pudlak syndrome 5 protein isoform b
NCBI Official Synonym Full Names	HPS5, biogenesis of lysosomal organelles complex 2 subunit 2
NCBI Official Symbol	HPS5
NCBI Official Synonym Symbols	AIBP63; BLOC2S2
NCBI Protein Information	Hermansky-Pudlak syndrome 5 protein
UniProt Protein Name	Hermansky-Pudlak syndrome 5 protein
UniProt Gene Name	**HPS5**
UniProt Synonym Gene Names	AIBP63; KIAA1017; Ru2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/hps5-antibody-immunohistochemistry-western-blot-elisa/323105