

For Research Use Only

HPS5 Polyclonal antibody

Catalog Number: 13901-1-AP **6 Publications**



Basic Information

Catalog Number: 13901-1-AP	GenBank Accession Number: BC033640	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 427 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11234	Recommended Dilutions: WB 1:500-1:2400 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: Hermansky-Pudlak syndrome 5	
Isotype: IgG	Calculated MW: 1129 aa, 127 kDa	
Immunogen Catalog Number: AG4867	Observed MW: 135-141 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse liver tissue, mouse spleen tissue
Species Specificity: human, mouse, rat	IHC: human placenta tissue, human heart tissue, human lung tissue, human skin tissue
Cited Species: human	IF: MCF-7 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Hermansky-Pudlak syndrome 5 protein (HPS-5), also named Ruby-eye protein 2 homolog (Ru2), plays 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Joshi Stephen	28296950	PLoS One	WB
Anish Vaibhav Sharda	32614949	Blood	WB
Dina Marek-Yagel	36046236	Front Genet	WB

Storage

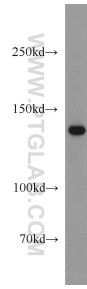
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

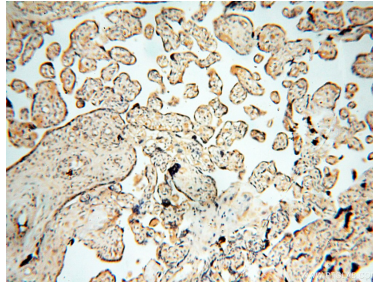
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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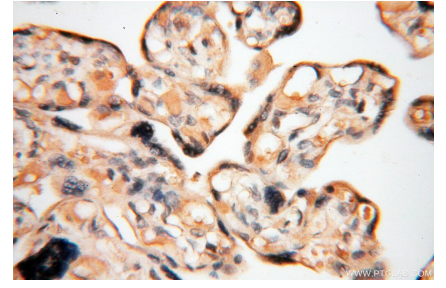
Selected Validation Data



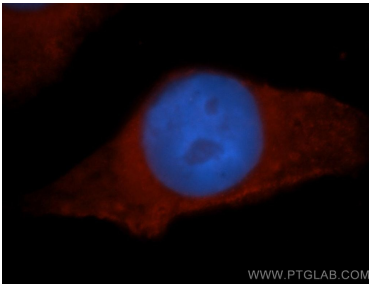
mouse liver tissue were subjected to SDS PAGE followed by western blot with 13901-1-AP (HPS5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 13901-1-AP (HPS5 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 13901-1-AP (HPS5 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using HPS5 antibody 13901-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).