

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: 800 µg/ml	GeneID (NCBI): 11234	Recommended Dilutions: WB 1:500-1:2400 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9UPZ3	
Isotype: IgG	Full Name: Hermansky-Pudlak syndrome 5	
Immunogen Catalog Number: AG4867	Calculated MW: 1129 aa, 127 kDa	
	Observed MW: 135-141 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : mouse liver tissue, mouse spleen tissue IHC : human placenta tissue, human heart tissue, human lung tissue, human skin tissue IF : MCF-7 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

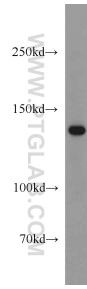
Storage

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

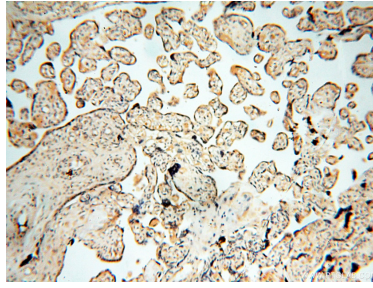
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

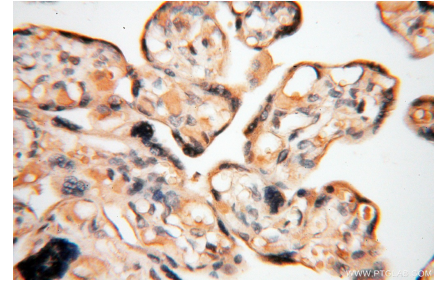
Selected Validation Data



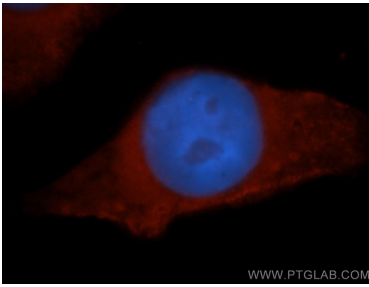
mouse liver tissue were subjected to SDS PAGE followed by western blot with 13901-1-AP (HPS5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).