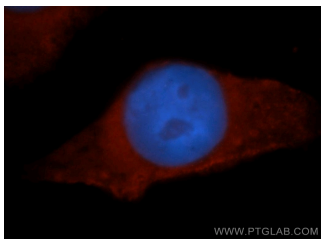
USA: proteintech@ptglab.com

Europe: europe@ptglab.com

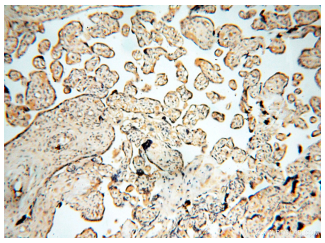
China: service@ptglab.com

HPS5 Polyclonal Antibody

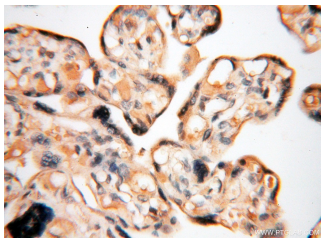
Catalog number: 13901-1-AP
Size: 64 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
HPS5; AIBP63, Hermansky Pudlak syndrome 5, HPS5, KIAA1017, Ru2, Ruby eye protein 2 homolog



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).



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



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

Background

Hermansky-Pudlak syndrome 5 protein (HPS-5), also named Ruby-eye protien 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.

Applications

Tested applications:	**ELISA, WB, IHC, IF**
Cited applications:	**WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated HPS5 MW:	**1129aa,127 kDa**
Observed HPS5 MW:	**135-141kd**
Positive WB detected in	**Mouse liver tissue, mouse spleen tissue**
Positive IHC detected in	**Human placenta tissue, human heart tissue, human lung tissue, human skin tissue**
Positive IF detected in	**MCF-7 cells**
Recommended dilution:	**WB: 1:500-1:5000** **IHC: 1:20-1:200** **IF: 1:20-1:200**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag4867**
GenBank accession number:	**BC033640**
Gene ID (NCBI):	**11234**
Full name:	**Hermansky-Pudlak syndrome 5**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**