

## HPS5 Polyclonal antibody

Catalog Number: 13901-1-AP

6 Publications

## Basic Information

## Catalog Number:

13901-1-AP

## Size:

800 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4867

## GenBank Accession Number:

BC033640

## GeneID (NCBI):

11234

## UNIPROT ID:

Q9UPZ3

## Full Name:

Hermansky-Pudlak syndrome 5

## Calculated MW:

1129 aa, 127 kDa

## Observed MW:

135-141 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2400

IHC 1:20-1:200

IF/ICC 1:20-1:200

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## 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**

## Positive Controls:

WB : mouse liver tissue, mouse spleen tissue

IHC : human placenta tissue, human heart tissue, human lung tissue, human skin tissue

IF/ICC : MCF-7 cells,

## 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

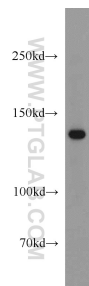
For technical support and original validation data for this product please contact:

T: 4006900926

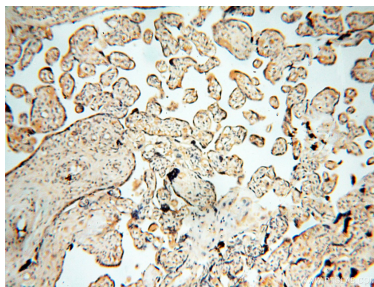
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

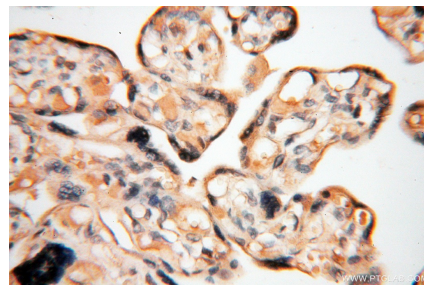
## Selected Validation Data



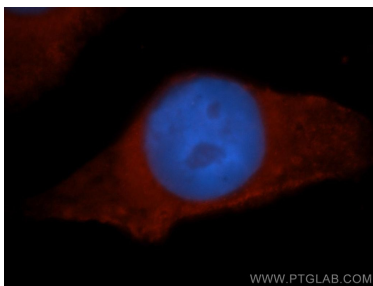
mouse liver tissue were subjected to SDS PAGE followed by western blot with 13901-1-AP (HP55 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 13901-1-AP (HP55 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 13901-1-AP (HP55 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using HP55 antibody 13901-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).