

For Research Use Only

CoraLite® Plus 488-conjugated HPS4 Polyclonal antibody



Catalog Number: CL488-14627

Basic Information

Catalog Number: CL488-14627	GenBank Accession Number: BC065030	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 89781	Recommended Dilutions: IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NQG7	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: Hermansky-Pudlak syndrome 4	
Immunogen Catalog Number: AG6202	Calculated MW: 77 kDa	
	Observed MW: 70-90 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

Background Information

Hermansky-Pudlak syndrome (HPS) is a genetic disease characterized by oculocutaneous albinism, bleeding due to platelet storage pool deficiency, and lysosomal storage defects. This syndrome results from defects of diverse cytoplasmic organelles including melanosomes, platelet dense granules and lysosomes. HPS1 and HPS4 are the most frequently mutated genes associated with HPS in humans. Both of HPS1 and HPS4 are components of two complexes involved in biogenesis of melanosome and lysosome-related organelles: BLOC-3 and BLOC-4. HPS4 is supposed to interact with HPS1 and stabilize HPS1. The human HPS4 migrates at about 90 kDa on SDS-PAGE, versus its predicated molecular mass of 77 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 HPS4 antibody (CL488-14627) at dilution of 1:200, CL594-Phalloidin (red).