

For Research Use Only

# CoraLite® Plus 488-conjugated HPS4 Polyclonal antibody

Catalog Number:CL488-14627



## Basic Information

<b>Catalog Number:</b> CL488-14627	<b>GenBank Accession Number:</b> BC065030	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 89781	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NQG7	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> Hermansky-Pudlak syndrome 4	
<b>Immunogen Catalog Number:</b> AG6202	<b>Calculated MW:</b> 77 kDa	
	<b>Observed MW:</b> 70-90 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> 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.

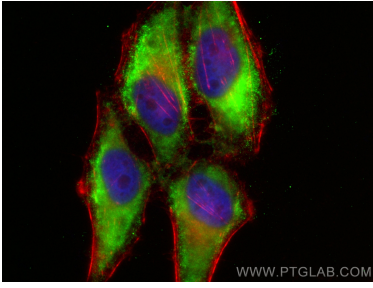
## Storage

**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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E: proteintech@ptglab.com  
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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).