For Research Use Only

CoraLite® Plus 488-conjugated HPS4 Polyclonal antibody



Catalog Number: CL488-14627

Basic Information

Catalog Number: CL488-14627

1000 µg/ml

Source: Rabbit

Isotype:

GenBank Accession Number: BC065030 GeneID (NCBI): 89781 **UNIPROT ID:**

Q9NQG7 Full Name:

Hermansky-Pudlak syndrome 4

Calculated MW: Immunogen Catalog Number: AG6202 77 kDa Observed MW:

70-90 kDa

Purification Method: Antigen affinity purification Recommended Dilutions: IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths: 493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC: HepG2 cells,

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.

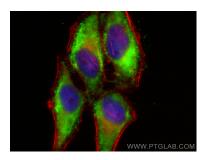
Storage

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).