

Goat Anti-HPS3 / Cocoa Antibody

Peptide-affinity purified goat antibody Catalog # AF1539a

Specification

Goat Anti-HPS3 / Cocoa Antibody - Product Information

Application WB
Primary Accession Q969F9

Other Accession <u>NP_115759</u>, <u>84343</u>

Reactivity Humar

Predicted Mouse, Rat, Pig, Cow

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG Calculated MW 113736

Goat Anti-HPS3 / Cocoa Antibody - Additional Information

Gene ID 84343

Other Names

Hermansky-Pudlak syndrome 3 protein, HPS3

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-HPS3 / Cocoa Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-HPS3 / Cocoa Antibody - Protein Information

Name HPS3

Function

Involved in early stages of melanosome biogenesis and maturation.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q91VB4}. Cytoplasm, cytosol

Tissue Location



Widely expressed. Higher levels of expression are observed in kidney, liver and placenta

Goat Anti-HPS3 / Cocoa Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-HPS3 / Cocoa Antibody - Images



AF1539a (1 $\mu g/ml$) staining of A431 lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-HPS3 / Cocoa Antibody - Background

This gene encodes a protein containing a potential clathrin-binding motif, consensus dileucine signals, and tyrosine-based sorting signals for targeting to vesicles of lysosomal lineage. The encoded protein may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 3. Alternate splice variants exist, but their full length sequence has not been determined.

Goat Anti-HPS3 / Cocoa Antibody - References

Newborn screening for hermansky-pudlak syndrome type 3 in Puerto Rico. Torres-Serrant M, et al. J Pediatr Hematol Oncol, 2010 Aug. PMID 20562649.

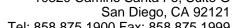
Platelet alpha granules in BLOC-2 and BLOC-3 subtypes of Hermansky-Pudlak syndrome. Huizing M, et al. Platelets, 2007 Mar. PMID 17365864.

Genetic testing for oculocutaneous albinism type 1 and 2 and Hermansky-Pudlak syndrome type 1 and 3 mutations in Puerto Rico. Santiago Borrero PJ, et al. J Invest Dermatol, 2006 Jan. PMID 16417222.

Association of the Hermansky-Pudlak syndrome type-3 protein with clathrin. Helip-Wooley A, et al. BMC Cell Biol, 2005 Sep 13. PMID 16159387.

Melanocyte-specific proteins are aberrantly trafficked in melanocytes of Hermansky-Pudlak







syndrome-type 3. Boissy RE, et al. Am J Pathol, 2005 Jan. PMID 15632015.