

**Goat Anti-HPS3 / Cocoa Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1539a****Specification**

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**Goat Anti-HPS3 / Cocoa Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q969F9</a>
Other Accession	<a href="#">NP_115759</a> , <a href="#">84343</a>
Reactivity	Human
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 IgG/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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-HPS3 / Cocoa Antibody - Images



AF1539a (1 µg/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

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