

**HPS3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16879a****Specification**

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**HPS3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O969F9</a>
Other Accession	<a href="#">NP_115759.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	113736
Antigen Region	262-290

**HPS3 Antibody (N-term) - Additional Information****Gene ID** 84343**Other Names**

Hermansky-Pudlak syndrome 3 protein, HPS3

**Target/Specificity**

This HPS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-290 amino acids from the N-terminal region of human HPS3.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

HPS3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HPS3 Antibody (N-term) - Protein Information****Name** HPS3**Function** Involved in early stages of melanosome biogenesis and maturation.

**Cellular Location**

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

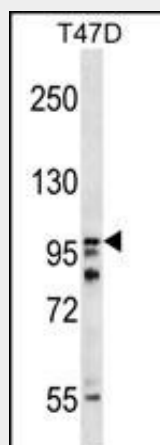
**Tissue Location**

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

**HPS3 Antibody (N-term) - 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](#)

**HPS3 Antibody (N-term) - Images**

HPS3 Antibody (N-term) (Cat. #AP16879a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the HPS3 antibody detected the HPS3 protein (arrow).

**HPS3 Antibody (N-term) - 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. [provided by RefSeq].

**HPS3 Antibody (N-term) - References**

Torres-Serrant, M., et al. J. Pediatr. Hematol. Oncol. 32(6):448-453(2010)  
Huizing, M., et al. Platelets 18(2):150-157(2007)

Santiago Borrero, P.J., et al. J. Invest. Dermatol. 126(1):85-90(2006)  
Boissy, R.E., et al. Am. J. Pathol. 166(1):231-240(2005)  
Helip-Wooley, A., et al. BMC Cell Biol. 6, 33 (2005) :