

**Goat Anti-Pallidin Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1779a****Specification**

---

**Goat Anti-Pallidin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9UL45</a>
Other Accession	<a href="#">NP_036520</a> , <a href="#">26258</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	19744

**Goat Anti-Pallidin Antibody - Additional Information****Gene ID** 26258**Other Names**

Biogenesis of lysosome-related organelles complex 1 subunit 6, BLOC-1 subunit 6, Pallid protein homolog, Pallidin, Syntaxin 13-interacting protein, BLOC1S6, PA, PLDN

**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-Pallidin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Pallidin Antibody - Protein Information****Name** BLOC1S6**Synonyms** PA, PLDN**Function**

Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into

vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. May play a role in intracellular vesicle trafficking, particularly in the vesicle-docking and fusion process.

#### Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein. Note=It can exist as a soluble protein as well as a peripheral membrane protein (PubMed:12019270)

#### Tissue Location

Widely expressed.

### Goat Anti-Pallidin Antibody - Protocols

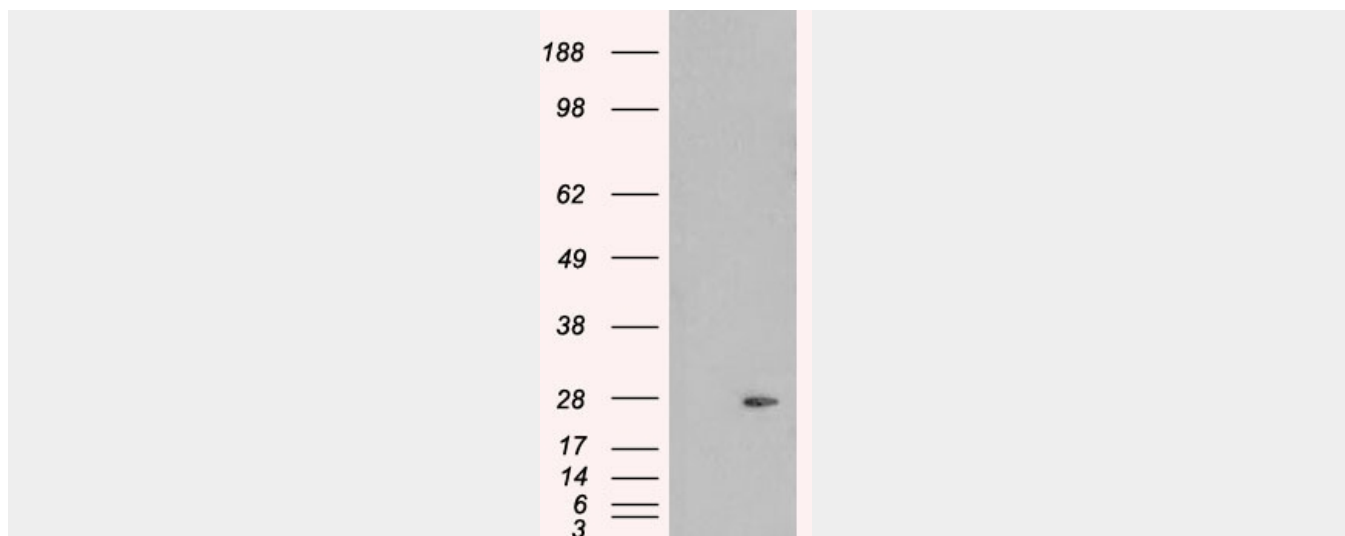
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-Pallidin Antibody - Images



AF1779a staining (1  $\mu$ g/ml) of A431 lysate (RIPA buffer, 35  $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



HEK293 overexpressing PLDN (RC201514) and probed with AF1779a (mock transfection in first lane), tested by Origene.

### Goat Anti-Pallidin Antibody - Background

The protein encoded by this gene may play a role in intracellular vesicle trafficking. It interacts with Syntaxin 13 which mediates intracellular membrane fusion. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

### Goat Anti-Pallidin Antibody - References

Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. *Nature*, 2005 Oct 20. PMID 16189514.  
A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. *Cell*, 2005 Sep 23. PMID 16169070.  
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334.  
Identification of snapin and three novel proteins (BLOS1, BLOS2, and BLOS3/reduced pigmentation) as subunits of biogenesis of lysosome-related organelles complex-1 (BLOC-1). Starcevic M, et al. *J Biol Chem*, 2004 Jul 2. PMID 15102850.  
Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. *Nat Genet*, 2004 Jan. PMID 14702039.