

TULP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17083c**Specification**

TULP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O00294](#)**TULP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7287**Other Names**

Tubby-related protein 1, Tubby-like protein 1, TULP1, TUBL1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TULP1 Antibody (Center) Blocking Peptide - Protein Information**Name** TULP1**Synonyms** TUBL1**Function**

Required for normal development of photoreceptor synapses. Required for normal photoreceptor function and for long-term survival of photoreceptor cells. Interacts with cytoskeleton proteins and may play a role in protein transport in photoreceptor cells (By similarity). Binds lipids, especially phosphatidylinositol 3-phosphate, phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-bisphosphate, phosphatidylserine and phosphatidic acid (in vitro). Contribute to stimulation of phagocytosis of apoptotic retinal pigment epithelium (RPE) cells and macrophages.

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Secreted. Synapse. Note=Detected at synapses between photoreceptor cells and second-order neurons. Does not have a cleavable signal peptide and is secreted by an alternative pathway (By similarity).

Tissue Location

Retina-specific.

TULP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TULP1 Antibody (Center) Blocking Peptide - Images

TULP1 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the tubby-like gene family (TULPs). Members of this family have been identified in plants, vertebrates, and invertebrates and encode proteins of unknown function. TULP proteins share a conserved C-terminal region of approximately 200 amino acid residues. Mutations in this gene may be associated with retinitis pigmentosa.

TULP1 Antibody (Center) Blocking Peptide - References

Clark, G.R., et al. Ophthalmology (2010) In press :Caberoy, N.B., et al. Exp. Cell Res. 316(2):245-257(2010)Abbasi, A.H., et al. Mol. Vis. 14, 675-682 (2008) :Mataftsi, A., et al. Invest. Ophthalmol. Vis. Sci. 48(11):5160-5167(2007)den Hollander, A.I., et al. Arch. Ophthalmol. 125(7):932-935(2007)