

**TCPR1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6845a**

**Specification**

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**TCPR1 Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">O7Z6L1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	162-189

**TCPR1 Antibody (N-term) - Additional Information**

**Gene ID** 25851

**Other Names**

Tectonin beta-propeller repeat-containing protein 1, TECPR1, KIAA1358

**Target/Specificity**

This PALA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-189 amino acids from the N-terminal region of human TCPR1.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**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**

TCPR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TCPR1 Antibody (N-term) - Protein Information**

**Name** TECPR1

**Synonyms** KIAA1358

**Function** Tethering factor involved in autophagy. Involved in autophagosome maturation by promoting the autophagosome fusion with lysosomes: acts by associating with both the ATG5-ATG12 conjugate and phosphatidylinositol-3-phosphate (PtdIns(3)P) present at the surface of autophagosomes. Also involved in selective autophagy against bacterial pathogens, by being required for phagophore/preautophagosomal structure biogenesis and maturation.

#### **Cellular Location**

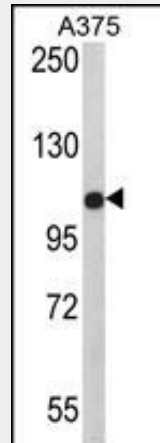
Cytoplasmic vesicle, autophagosome membrane. Lysosome membrane. Note=Localizes to Lysosome membranes, and binds PtdIns(3)P at the surface of autophagosome. Localizes to autolysosomes, a vesicle formed by the fusion between autophagosomes and lysosomes

#### **TCPR1 Antibody (N-term) - Protocols**

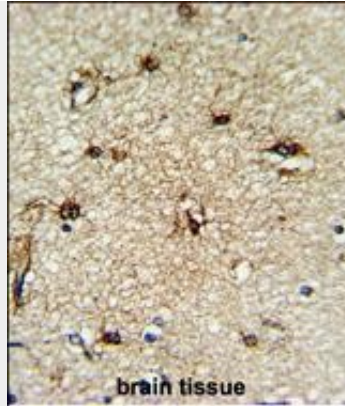
Provided below are standard protocols that you may find useful for product applications.

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

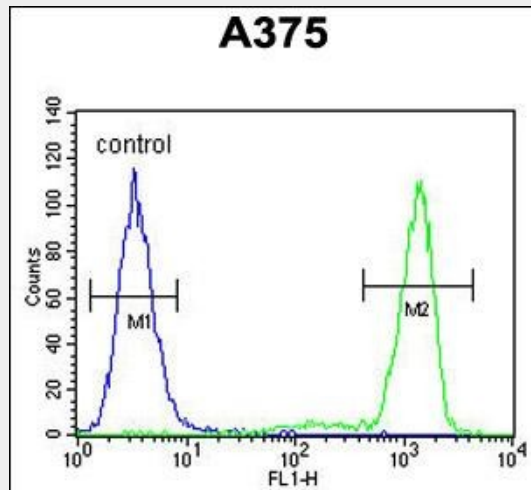
#### **TCPR1 Antibody (N-term) - Images**



Western blot analysis of TCPR1 Antibody (N-term) (Cat. #AP6845a) in A375 cell line lysates (35ug/lane). TCPR1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with TCPR1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



TCPR1 Antibody (N-term) (Cat. #AP6845a) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **TCPR1 Antibody (N-term) - References**

Scherer, S.W., et al., Science 300 (5620), 767-772 (2003)