

TCPR1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6845a**Specification**

TCPR1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q7Z6L1](#)**TCPR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 25851**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [BP6845a](#) was selected from the N-term region of human TCPR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TCPR1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TCPR1 Antibody (N-term) Blocking Peptide - Images**TCPR1 Antibody (N-term) Blocking Peptide - References**

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