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TCPR1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6845b

Specification

TCPR1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q7Z6L1

TCPR1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 25851

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

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 (C-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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TCPR1 Antibody (C-term) Blocking Peptide - Images

TCPR1 Antibody (C-term) Blocking Peptide - References

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