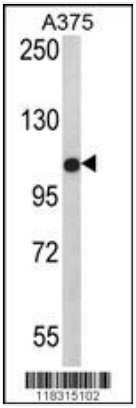
TECPR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

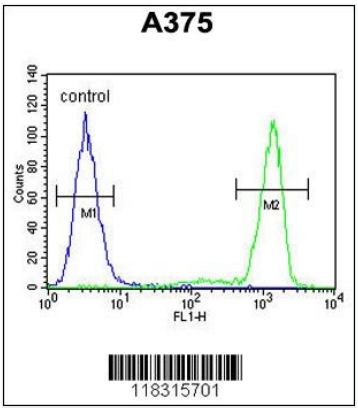
Product Name	TECPR1, Polyclonal Antibody
Full Product Name	TECPR1, NT (Tectonin beta-propeller Repeat-containing Protein 1, KIAA1358) (Azide free) (HRP)
Product Gene Name	anti-TECPR1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human PALA.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	129,696 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (97846036..97881468, complement). Location: 7q21.3
3D Structure	ModBase 3D Structure for Q7Z6L1
Immunogen	Synthetic peptide selected from the N-terminal region of human PALA (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-TECPR1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TECPR1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TECPR1 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TECPR1 antibody	MBS6502264 is an antibody targeting TECPR1. Also known as TECPR1, NT (Tectonin beta-propeller Repeat-containing Protein 1, KIAA1358) (Azide free) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-TECPR1 antibody	1. Scherer, S.W., et.al., Science 300(5620), 767-772 (2003).
Other Notes	Small volumes of anti-TECPR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-TECPR1 antibody
Formalin-fixed and paraffin-embedded human brain tissue reacted with PALA 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.



Western Blot (WB) of anti-TECPR1 antibody
Western blot analysis of PALA Antibody (N-term) in A375 cell line lysates (35ug/lane). PALA (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-TECPR1 antibody
PALA Antibody (N-term) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TECPR1. It may not necessarily be applicable to this product.

NCBI GI #	32698704
NCBI GeneID	25851
NCBI Accession #	NP_056210.1
UniProt Primary Accession #	Q7Z6L1
UniProt Secondary Accession #	Q96EB0; Q9P2I9; Q9UFR6; A8KAD1
UniProt Related Accession #	Q7Z6L1
GenBank Nucleotide #	NM_015395.1
NCBI Official Full Name	tectonin beta-propeller repeat-containing protein 1
NCBI Official Synonym Full Names	tectonin beta-propeller repeat containing 1
NCBI Official Symbol	TECPR1
NCBI Official Synonym Symbols	FLJ23419; FLJ90593; DKFZP434B0335
UniProt Protein Name	Tectonin beta-propeller repeat-containing protein 1
Protein Family	Tectonin beta-propeller repeat-containing protein

UniProt Gene Name	TECPR1
UniProt Synonym Gene Names	KIAA1358
UniProt Entry Name	TCPR1_HUMAN
NCBI Protein Information	tectonin beta-propeller repeat-containing protein 1; OTTHUMP00000205440
NCBI Summary for TECPR1	This gene encodes a tethering factor involved in autophagy. The encoded protein is found at autolysosomes, and is involved in targeting protein aggregates, damaged mitochondria, and bacterial pathogens for autophagy [provided by RefSeq, Nov 2012]
UniProt Comments for TECPR1	TECPR1: 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. Interacts with ATG5; the interaction is direct. Interacts with WIPI2. Interacts with the ATG5-ATG12 conjugate, the interaction is however mutually exclusive with ATG16, since it does not interact with ATG12-ATG5-ATG16 complex. Belongs to the TECPR1 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Autophagy Chromosomal Location of Human Ortholog: 7q21.3 Cellular Component: lysosomal membrane; integral to membrane; cytoplasmic vesicle Molecular Function: protein binding; phosphatidylinositol 3-phosphate binding Biological Process: autophagic vacuole fusion; autophagy
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tecpr1/6502264