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TECPR1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7391b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q7Z6L1
Reactivity	Human
Predicted	Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18189
Calculated MW	129696
Antigen Region	1094-1122

Additional Information

Gene ID	25851
Other Names	Tectonin beta-propeller repeat-containing protein 1, TECPR1, KIAA1358
Target/Specificity	This TECPR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1094-1122 amino acids from the C-terminal region of human TECPR1.
Dilution	IHC-P~~1:100 FC~~1:10~50 WB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	TECPR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

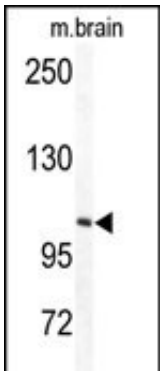
Name	TECPR1
Synonyms	KIAA1358
Function	Tethering factor involved in autophagy. Involved in autophagosome

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.

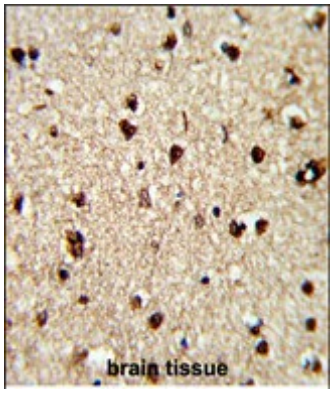
Cellular Location

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

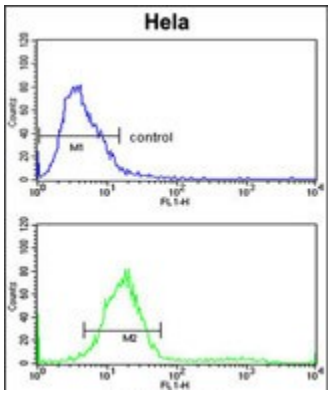
Images



Western blot analysis of TECPR1 Antibody (C-term) (Cat.# AP7391b) in mouse brain tissue lysates (35ug/lane). TECPR1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain reacted with TECPR1 Antibody (C-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.



TECPR1 Antibody (C-term) (Cat. #AP7391b) flow cytometric analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.