

TBC14 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10993c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9P2M4
Other Accession	NP_001106834.1 , NP_001106832.1 , NP_065824.2
Reactivity	Human, Mouse
Predicted	Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25246
Calculated MW	78137
Antigen Region	259-286

Additional Information

Gene ID	57533
Other Names	TBC1 domain family member 14, TBC1D14, KIAA1322
Target/Specificity	This TBC14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-286 amino acids from the Central region of human TBC14.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is 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	TBC14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TBC1D14
Synonyms	KIAA1322
Function	Plays a role in the regulation of starvation-induced autophagosome

formation (PubMed:[22613832](#)). Together with the TRAPPIII complex, regulates a constitutive trafficking step from peripheral recycling endosomes to the early Golgi, maintaining the cycling pool of ATG9 required for initiation of autophagy.

Cellular Location

Golgi apparatus, cis-Golgi network. Golgi apparatus, trans-Golgi network
Note=After amino acid starvation, Golgi apparatus-associated protein levels increase compared with fed conditions. May be cycling between the Golgi apparatus and an endosomal pool, redistributing to the Golgi apparatus upon starvation

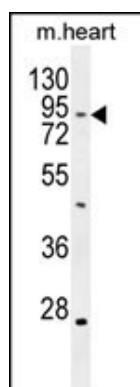
Background

May act as a GTPase-activating protein for Rab family protein(s) (By similarity).

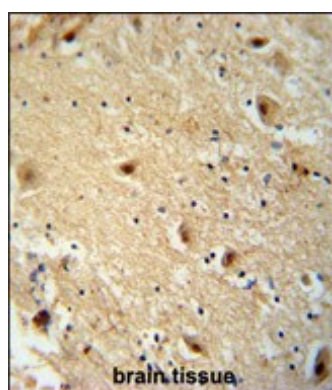
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ishibashi, K., et al. Genes Cells 14(1):41-52(2009)
Tempel, W., et al. Proteins 71(1):497-502(2008)

Images



TBC14 Antibody (Center) (Cat. #AP10993c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the TBC14 antibody detected the TBC14 protein (arrow).



TBC14 antibody (Center) (Cat. #AP10993c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TBC14 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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