

TTPA Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20030c

Product Information

Application	WB, E
Primary Accession	P49638
Other Accession	P41034 , Q8BWP5 , NP_000361.1
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42171
Calculated MW	31750
Antigen Region	82-108

Additional Information

Gene ID	7274
Other Names	Alpha-tocopherol transfer protein, Alpha-TTP, TTPA, TPP1
Target/Specificity	This TTPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-108 amino acids from the Central region of human TTPA.
Dilution	WB~~1:1000 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	TTPA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TTPA
Synonyms	TPP1
Function	Binds alpha-tocopherol, enhances its transfer between separate

membranes, and stimulates its release from liver cells (PubMed:[7887897](#)). Binds both phosphatidylinositol 3,4-bisphosphate and phosphatidylinositol 4,5-bisphosphate; the resulting conformation change is important for the release of the bound alpha-tocopherol (By similarity).

Cellular Location Cytoplasm.

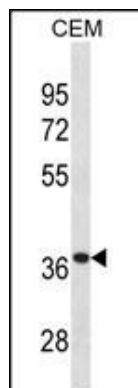
Background

This gene encodes a soluble protein that binds alpha-tocopherol, a form of vitamin E, with high selectivity and affinity. This protein plays an important role in regulating vitamin E levels in the body by transporting vitamin E between membrane vesicles and facilitating the secretion of vitamin E from hepatocytes to circulating lipoproteins. Mutations in this gene cause hereditary vitamin E deficiency (ataxia with vitamin E deficiency, AVED) and retinitis pigmentosa.

References

Zhang, W.X., et al. *Lipids* 44(7):631-641(2009)
Wright, M.E., et al. *Cancer Res.* 69(4):1429-1438(2009)
Fusco, C., et al. *J. Child Neurol.* 23(11):1328-1330(2008)
Rotzoll, D.E., et al. *Eur. J. Obstet. Gynecol. Reprod. Biol.* 140(2):183-191(2008)
Kara, B., et al. *Turk. J. Pediatr.* 50(5):471-475(2008)

Images



TTPA Antibody (Center) (Cat. #AP20030c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the TTPA antibody detected the TTPA protein (arrow).

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