

TTPA Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20030c**Specification**

TTPA Antibody (Center) - Product Information

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

TTPA Antibody (Center) - 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.

TTPA Antibody (Center) - 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

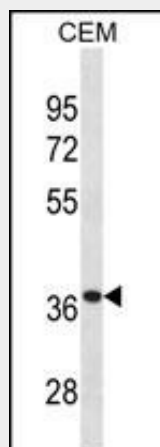
Cytoplasm.

TTPA Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TTPA Antibody (Center) - 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).

TTPA Antibody (Center) - 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.

TTPA Antibody (Center) - 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)