

TAZ Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8803a

Specification

TAZ Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q16635
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	33459
Antigen Region	32-60

TAZ Antibody (N-term) - Additional Information

Gene ID 6901

Other Names

Tafazzin, Protein G45, TAZ, EFE2, G45

Target/Specificity

This TAZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-60 amino acids from the N-terminal region of human TAZ.

Dilution

WB~~1:1000

IHC-P~~1:50~100

FC~~1:10~50

Format

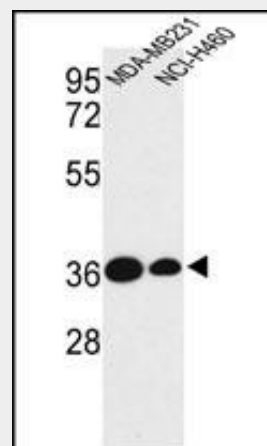
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

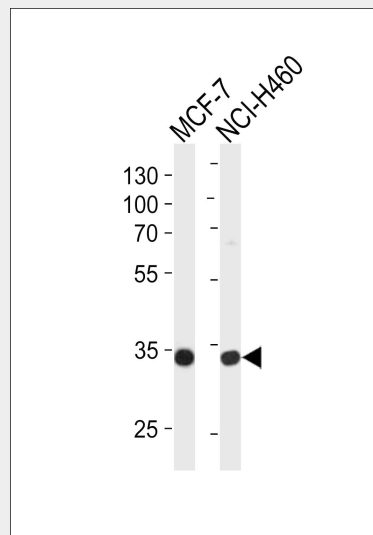
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TAZ Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.



Western blot analysis of TAZ Antibody (N-term) (Cat. #AP8803a) in MDA-MB231, NCI-H460 cell line lysates (35ug/lane). TAZ (arrow) was detected using the purified Pab.



Western blot analysis of lysates from MCF-7, NCI-H460 cell line (from left to right), using TAZ Antibody (N-term)(Cat. #AP8803a). AP8803a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

TAZ Antibody (N-term) - Protein Information

Name TAZ

Synonyms EFE2, G4.5

Function

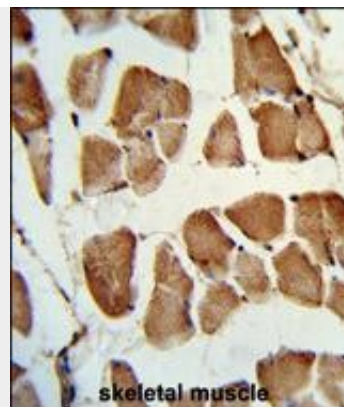
Acyltransferase which is required to maintain the composition of the phospholipid cardiolipin, a key component of the mitochondrial inner membrane (PubMed:12930833, PubMed:19700766, PubMed:19164547, PubMed:26908608, PubMed:33096711). Required for the initiation of mitophagy (PubMed:33096711). Required to ensure progression of spermatocytes through meiosis (By similarity).

Cellular Location

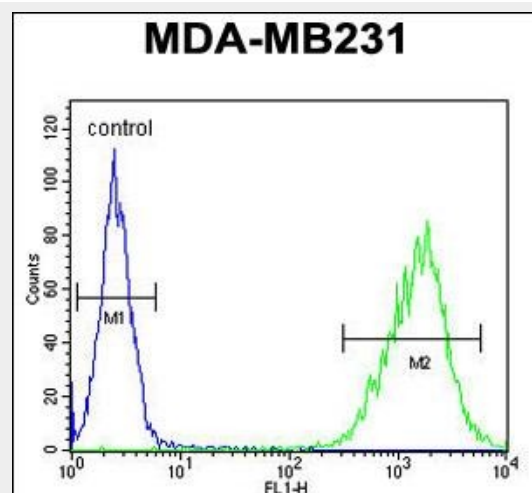
Mitochondrion outer membrane; Peripheral membrane protein; Intermembrane side. Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side [Isoform 2]: Cytoplasm. [Isoform 5]: Mitochondrion membrane [Isoform 7]: Mitochondrion membrane [Isoform 9]: Cytoplasm.

Tissue Location

High levels in cardiac and skeletal muscle. Up to 10 isoforms can be present in different amounts in different tissues Most isoforms are ubiquitous. Isoforms that lack the N-terminus are found in leukocytes and fibroblasts, but not in heart and skeletal muscle. Some forms appear restricted to cardiac and skeletal muscle or to leukocytes



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with TAZ 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.



TAZ Antibody (N-term) (Cat. #AP8803a) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TAZ Antibody (N-term) - Background

TAZ is a protein that is expressed at high levels in cardiac and skeletal muscle.

TAZ Antibody (N-term) - References

Gedeon,A.K., et.al., J. Med. Genet. 32 (5), 383-388 (1995) Bione,S., et.al., Nat. Genet. 12 (4), 385-389 (1996)

TAZ Antibody (N-term) - 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](#)