

TTLL8 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16827a**Specification**

TTLL8 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	A6PVC2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	94676
Antigen Region	74-102

TTLL8 Antibody (N-term) - Additional Information**Other Names**

Protein monoglycylase TTLL8, 632-, Tubulin--tyrosine ligase-like protein 8, TTLL8

Target/Specificity

This TTLL8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-102 amino acids from the N-terminal region of human TTLL8.

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

TTLL8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TTLL8 Antibody (N-term) - Protein Information

Name TTLL8 ([HGNC:34000](#))

Function Monoglycylase which modifies both tubulin and non-tubulin proteins, adding a single glycine to the gamma-carboxyl groups of specific glutamate residues to generate monoglycine side chains within the C-terminal tail of target proteins. Not involved in elongation step of the polyglycylation reaction. Preferentially monoglycylates alpha- tubulin over beta-tubulin. Together

with TTLL3, mediates microtubule glycylation of primary and motile cilia, which is essential for their stability and maintenance. Together with TTLL3, glycylates sperm flagella which regulates axonemal dynein motor activity, thereby controlling flagellar beat, directional sperm swimming and male fertility. Monoglycyates non-tubulin proteins such as ANP32A, ANP32B, SET, NCL and NAP1.

Cellular Location

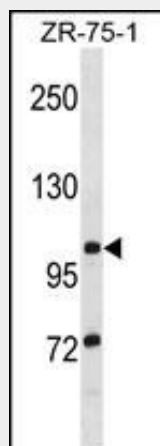
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A4Q9F1}. Cell projection, cilium {ECO:0000250|UniProtKB:A4Q9F1}. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:A4Q9F1}. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:A4Q9F1}

TTLL8 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](#)

TTLL8 Antibody (N-term) - Images



TTLL8 Antibody (N-term) (Cat. #AP16827a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the TTLL8 antibody detected the TTLL8 protein (arrow).

TTLL8 Antibody (N-term) - Background

Monoglycylase which modifies both tubulin and non-tubulin proteins, generating side chains of glycine on the gamma-carboxyl groups of specific glutamate residues of target proteins. Monoglycyates tubulin, with a preference for alpha-tubulin toward beta-tubulin. Has the ability to modify non-tubulin proteins such as ANP32A, ANP32B, SET and NCL. Involved in the side-chain initiation step of the glycylation reaction by adding a single glycine chain to generate monoglycine side chains. Not involved in elongation step of the polyglycylation reaction (By similarity).