

TTL Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16574b

Specification

TTL Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q8NG68](#)

TTL Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 150465

Other Names

Tubulin--tyrosine ligase, TTL, TTL

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TTL Antibody (C-term) Blocking Peptide - Protein Information

Name TTL

Function

Catalyzes the post-translational addition of a tyrosine to the C-terminal end of dephosphorylated alpha-tubulin.

TTL Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TTL Antibody (C-term) Blocking Peptide - Images

TTL Antibody (C-term) Blocking Peptide - Background

TTL is a cytosolic enzyme involved in the posttranslational modification of alpha-tubulin (see MIM 602529). Alpha-tubulin within assembled microtubules is dephosphorylated overtime at the C terminus. After microtubule disassembly, TTL restores the tyrosine residues and consequently participates in a cycle of tubulin dephosphorylation and tyrosination (Erck et al., 2003 [PubMed14571137]).

TTL Antibody (C-term) Blocking Peptide - References

Dick, D.M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (6), 1179-1188 (2010) :Erck, C., et al. Cytogenet. Genome Res. 101(1):47-53(2003) Mialhe, A., et al. Cancer Res. 61(13):5024-5027(2001) Ersfeld, K., et al. J. Cell Biol. 120(3):725-732(1993)