

TTLL5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5599c**Specification**

TTLL5 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q6EMB2](#)
Other Accession [NP_055887.3](#)

TTLL5 Antibody (Center) Blocking peptide - Additional Information

Gene ID 23093

Other Names

Tubulin polyglutamylase TTLL5, 6---, SRC1 and TIF2-associated modulatory protein,
Tubulin--tyrosine ligase-like protein 5, TTLL5, KIAA0998, STAMP

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.

TTLL5 Antibody (Center) Blocking peptide - Protein Information

Name TTLL5 ([HGNC:19963](#))

Function

Polyglutamylase which modifies tubulin, generating polyglutamate side chains on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin. Preferentially mediates ATP-dependent initiation step of the polyglutamylation reaction over the elongation step. Preferentially modifies the alpha-tubulin tail over a beta-tail (By similarity). Required for CCSAP localization to both polyglutamylated spindle and cilia microtubules (PubMed:22493317). Increases the effects of transcriptional coactivator NCOA2/TIF2 in glucocorticoid receptor-mediated repression and induction and in androgen receptor-mediated induction (PubMed:17116691).

Cellular Location

Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q8CHB8}. Nucleus. Cytoplasm Note=Localized to the base of the connecting cilium between the basal body and the adjacent daughter centriole of the cilium. In osteosarcoma cells, found in both cytoplasm and nucleus in the absence of steroid but located exclusively in the nucleus in the presence of steroid {ECO:0000250|UniProtKB:Q8CHB8,

ECO:0000269|PubMed:24791901}

Tissue Location

Expressed in the retina, found in the rod and cone photoreceptors (at protein level). Widely expressed with highest levels in heart and skeletal muscle and low levels in other tissues

TTLL5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TTLL5 Antibody (Center) Blocking peptide - Images**TTLL5 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the tubulin tyrosine ligase-like protein family. This protein interacts with two glucocorticoid receptor coactivators, transcriptional intermediary factor 2 and steroid receptor coactivator 1. This protein may function as a coregulator of glucocorticoid receptor mediated gene induction and repression. This protein may also function as an alpha tubulin polyglutamylase.

TTLL5 Antibody (Center) Blocking peptide - References

van Dijk, J., et al. J. Biol. Chem. 283(7):3915-3922(2008) He, Y., et al. Mol. Cell. Biol. 27(4):1467-1485(2007) Janke, C., et al. Science 308(5729):1758-1762(2005)