

TTDN1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17580b**Specification**

TTDN1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8TAP9](#)**TTDN1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 136647**Other Names**

M-phase-specific PLK1-interacting protein, TTD non-photosensitive 1 protein, MPLKIP, C7orf11, TTDN1

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.

TTDN1 Antibody (C-term) Blocking Peptide - Protein Information**Name** MPLKIP**Synonyms** C7orf11, TTDN1**Function**

May play a role in maintenance of cell cycle integrity by regulating mitosis or cytokinesis.

Cellular Location

Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=The subcellular location is regulated during cell cycle. During interphase located in the nucleus. During mitosis located at the centrosome and dispersed in the cytoplasm. During telophase located in the midbody. Colocalizes with PLK1 at the centrosome in M phase

Tissue Location

Expressed at highest levels in liver and kidney; intermediate expression in skeletal muscle, pancreas, heart and placenta; low expression in brain and lung. Expressed in epidermis and hair follicles.

TTDN1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TTDN1 Antibody (C-term) Blocking Peptide - Images

TTDN1 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene localizes to the centrosome during mitosis and to the midbody during cytokinesis. The protein is phosphorylated by cyclin-dependent kinase 1 during mitosis and subsequently interacts with polo-like kinase 1. The protein is thought to function in regulating mitosis and cytokinesis. Mutations in this gene result in nonphotosensitive trichothiodystrophy.

TTDN1 Antibody (C-term) Blocking Peptide - References

Zhang, Y., et al. Cell. Mol. Life Sci. 64(5):632-640(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Botta, E., et al. Hum. Mutat. 28(1):92-96(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Nakabayashi, K., et al. Am. J. Hum. Genet. 76(3):510-516(2005)