

DNTTIP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13202c**Specification**

DNTTIP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9H147](#)**DNTTIP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 116092**Other Names**

Deoxynucleotidyltransferase terminal-interacting protein 1, Terminal deoxynucleotidyltransferase-interacting factor 1, TdIF1, TdT-interacting factor 1, DNTTIP1, C20orf167, TDIF1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13202c was selected from the Center region of DNTTIP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

DNTTIP1 Antibody (Center) Blocking Peptide - Protein Information**Name** DNTTIP1**Synonyms** C20orf167, TDIF1**Function**

Increases DNTT terminal deoxynucleotidyltransferase activity (in vitro) (PubMed:11473582). Also acts as a transcriptional regulator, binding to the consensus sequence 5'-GNTGCATG-3' following an AT-tract. Associates with RAB20 promoter and positively regulates its transcription. Binds DNA and nucleosomes; may recruit HDAC1 complexes to nucleosomes or naked DNA.

Cellular Location

Nucleus

DNTTIP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DNTTIP1 Antibody (Center) Blocking Peptide - Images

DNTTIP1 Antibody (Center) Blocking Peptide - Background

DNTTIP1 binds DNA and enhances the activity of terminaldeoxynucleotidyltransferase (TDT, or DNTT; MIM 187410), a DNAPolymerase that catalyzes the polymerization of DNA in the absence of a DNA template (Yamashita et al., 2001 [PubMed11473582]).

DNTTIP1 Antibody (Center) Blocking Peptide - References

Kubota, T., et al. Genes Cells 12(8):941-959(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Tomarev, S.I., et al. Invest. Ophthalmol. Vis. Sci. 44(6):2588-2596(2003)