

### **DNTTIP1** Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55558

### **Specification**

## **DNTTIP1 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q9H147</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 37 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human DNTTIP1

Epitope Specificity 21-120/329

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

## **Background Descriptions**

DNTTIP1 binds DNA and enhances the activity of terminal deoxynucleotidyltransferase (TDT, or DNTT; MIM 187410), a DNA polymerase that catalyzes the polymerization of DNA in the absence of a DNA template (Yamashita et al., 2001 [PubMed 11473582]).[supplied by OMIM, Mar 2008]

## **DNTTIP1** Polyclonal Antibody - 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

Shown to enhance TdT activity, in vitro.

## **Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class</pre>

="dilution IHC-P">IHC-P~~N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \><span class ="dilution\_E">E $\sim$ N/A</span>



## **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

## **DNTTIP1** Polyclonal Antibody - Protein Information

## Name DNTTIP1

Synonyms C20orf167, TDIF1

#### **Function**

Increases DNTT terminal deoxynucleotidyltransferase activity (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/11473582" target="\_blank">11473582</a>). 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**

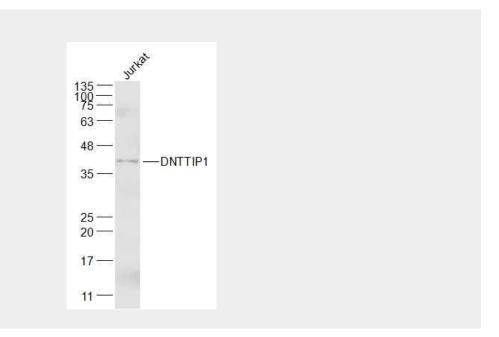
**Nucleus** 

# **DNTTIP1 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **DNTTIP1 Polyclonal Antibody - Images**





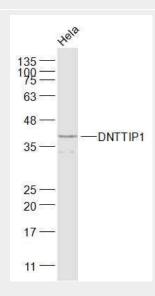
Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-DNTTIP1 (bs-14400R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD Observed band size: 38 kD



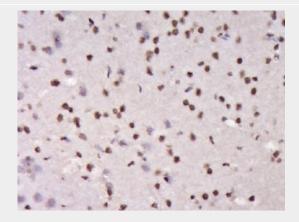
Sample:

Hela(Human) Cell Lysate at 30 ug

Primary: Anti-DNTTIP1 (bs-14400R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD Observed band size: 38 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DNTTIP1) Polyclonal Antibody, Unconjugated (bs-14400R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.