

DNTTIP1 Rabbit pAb

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Catalog # AP55558

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H147
Reactivity	Rat, Human
Predicted	Pig, Dog, Orangutan, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37013
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]

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °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 °C.

Protein Information

Name	DNTTIP1
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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.

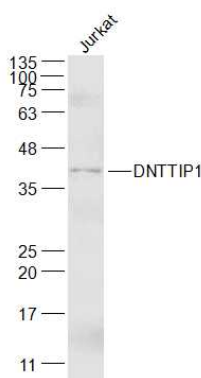
Cellular Location

Nucleus

Background

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Images

**Sample:**

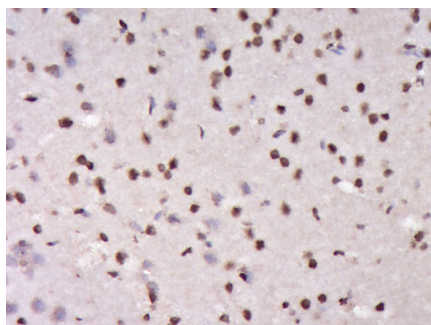
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-DNTTIP1 (AP55558) 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 (AP55558) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.