

DNTNP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54645**Specification****DNTNP Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6NSI3
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNTNP/FAM53A
Epitope Specificity	255-340/398
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. Subnuclear distribution.
SIMILARITY	Belongs to the FAM53 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Dorsal neural-tube nuclear protein is a 398 amino acid nuclear protein. DNTNP is thought to play an important role in neural development by specifying dorsal cell fates within the neural tube. Widely expressed in the dorsal neural tube, DNTNP is most highly expressed in the dorsal regions of the midbrain, the hindbrain, the diencephalon, and the spinal neural tube and is expressed at lower levels in the branchial arches, the telencephalon, the heart, and somites of developing embryos. DNTNP is encoded by a gene located on chromosome 4 which contains many genes including the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease.

DNTNP Polyclonal Antibody - Additional Information**Gene ID** 152877**Other Names**

Protein FAM53A, Dorsal neural-tube nuclear protein, FAM53A (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=31860)
target="_blank">HGNC:31860)

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \><span class

=>IHC-F~N/A<br \><span class
=>IF~1:50~200<br \>ICC~N/A
E~N/A

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.

DNTNP Polyclonal Antibody - Protein Information

Name FAM53A ([HGNC:31860](#))

Function

May play an important role in neural development; the dorsomedial roof of the third ventricle.

Cellular Location

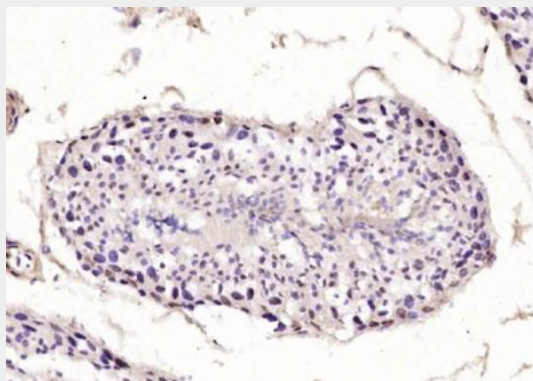
Nucleus {ECO:0000250|UniProtKB:Q5ZKN5}. Note=Subnuclear distribution.
{ECO:0000250|UniProtKB:Q5ZKN5}

DNTNP Polyclonal Antibody - Protocols

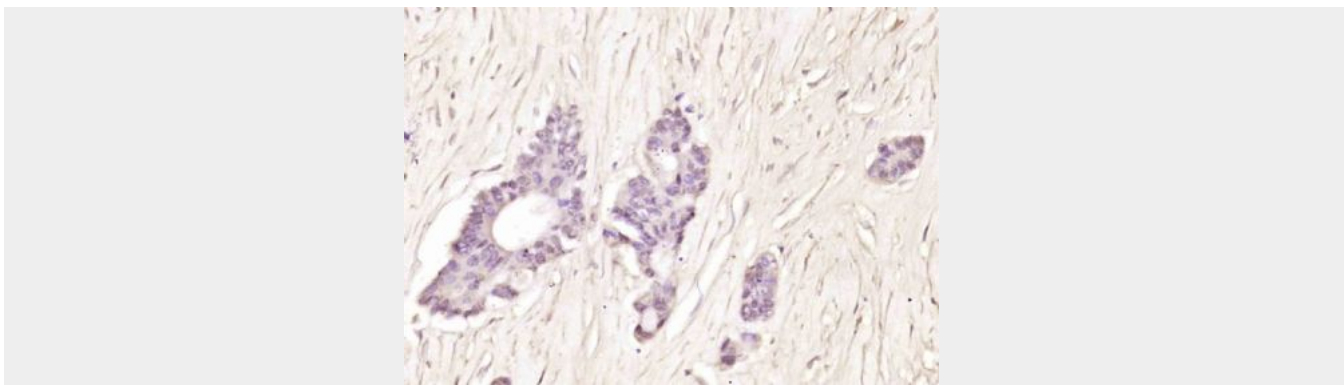
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNTNP Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (dog testis); 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 (DNTNP) Polyclonal Antibody, Unconjugated (bs-11839R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); 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 (DNTNP) Polyclonal Antibody, Unconjugated (bs-11839R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.