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DNTNP Rabbit pAb

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Catalog # AP54645

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6NSI3
Reactivity	Dog, Human
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42585
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.
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.

Additional Information

Gene ID	152877
Other Names	Protein FAM53A, Dorsal neural-tube nuclear protein, FAM53A (HGNC:31860)
Dilution	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.

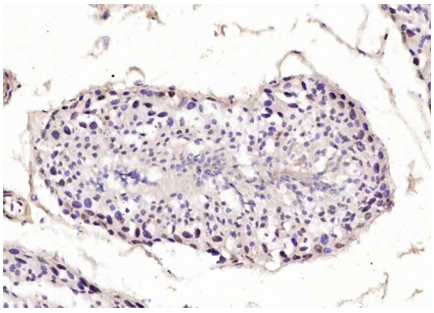
Protein Information

Name	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}

Background

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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 (AP54645) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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