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DENTT Rabbit pAb

Catalog # AP99657

Product Information

Primary Accession	Q9H2G4
Other Accession	Q9H2G4
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79435
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DENTT
Epitope Specificity	251-350/693
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the nucleosome assembly protein (NAP) family.
SUBUNIT	Interacts with histones. Interacts with CASK. Part of a complex containing CASK, TRB1 and TSPYL2.
Post-translational modifications	Phosphorylation at Ser-20 and/or Thr-340 impairs function on cell proliferation (Probable).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CASK interacting nucleosome assembly protein (CINAP) modulates gene expression and its abundance in cultured neurons is regulated by synaptic activity. CINAP is widely expressed in different regions of adult mouse brain, including the cerebral cortex, hippocampus, striatum, hypothalamus, cerebellum, and two adult brain regions known to generate progenitor neurons. During early development, CINAP is also expressed in regions where neuronal progenitor cells are actively dividing, the ventricular and subventricular zones, suggesting that in addition to regulating gene expression in mature neurons CINAP may also play a role in dividing cells.

Additional Information

Gene ID	64061
Other Names	CDA1; CINAP; CTCL; DENTT; HRIHFB2216; NP79; SE204; TSPX; DXBwg1396e; DXHXS1008E; E130307F10Rik; RGD1563283; TSYL2_HUMAN; TSPYL2; TSPY-like protein 2; Cell division autoantigen 1; Cutaneous T-cell lymphoma-associated antigen se20-4 (CTCL-associated antigen se20-4); Differentially-expressed nucleolar TGF-beta1 target protein; Nuclear protein of 79 kDa (NP79); TSYL2_MOUSE; CASK-interacting nucleosome assembly protein; TSPY like 2
Dilution	ICC/IF=1:50-200

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	TSPYL2
Synonyms	CDA1, DENTT, TSPX
Function	Part of the CASK/TBR1/TSPYL2 transcriptional complex which modulates gene expression in response to neuronal synaptic activity, probably by facilitating nucleosome assembly. May inhibit cell proliferation by inducing p53-dependent CDKN1A expression.
Cellular Location	Nucleus. Cytoplasm. Note=Enriched in transcriptionally active regions of chromatin in neurons
Tissue Location	Ubiquitously expressed, with highest levels in brain, testis and heart, and lowest levels in liver and pancreas

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