



Rabbit Anti-DENTT antibody

SL7051R

Product Name:	DENTT
Chinese Name:	细胞分裂核仁蛋白1抗体
Alias:	CASK interacting nucleosome assembly protein; CINAP; CDA1; Cell division autoantigen 1 nucleolar protein; CTCL tumor antigen se20-4; DENTT; Differentially-expressed nucleolar TGF-beta1 target protein; Nuclear protein of 79 kDa; TSPY-like 2; TSPY-like protein 2; Tspyl2; Testis-specific Y-encoded-like protein 2; Cutaneous T-cell lymphoma-associated antigen se20-4; SE20 4; SE204; CTCL-associated antigen se20-4; NP79; TSYL2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	76kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DENTT:251-350/693
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

Part of the CASK/TRB1/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.

Subunit:

Interacts with histones. Interacts with CASK. Part of a complex containing CASK, TRB1 and TSPYL2.

Subcellular Location:

Nucleus. Cytoplasm. Note=Enriched in transcriptionally active regions of chromatin in neurons.

Tissue Specificity:

Ubiquitously expressed, with highest levels in brain, testis and heart, and lowest levels in liver and pancreas.

Post-translational modifications:

Phosphorylation at Ser-20 and/or Thr-340 impairs function on cell proliferation (Probable).

Similarity:

Belongs to the nucleosome assembly protein (NAP) family.

SWISS:

Q9H2G4

Gene ID:

64061

Database links:

[Entrez Gene: 64061](#)Human

[Entrez Gene: 52808](#)Mouse

[Entrez Gene: 302612](#)Rat

[Omim: 300564](#)Human

[SwissProt: Q9H2G4](#)Human

[SwissProt: Q7TQI8](#)Mouse

[Unigene: 136164](#)Human

[Unigene: 592916](#)Human

[Unigene: 9997](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com