



Rabbit Anti-Necdin antibody

SL6390R

Product Name:	Necdin
Chinese Name:	生长抑制蛋白NDN抗体
Alias:	HsT16328; NDN; NECD HUMAN; Necdin; Necdin homolog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Necdin:101-200/321
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:	<p>This intronless gene is located in the Prader-Willi syndrome deletion region. It is an imprinted gene and is expressed exclusively from the paternal allele. Studies in mouse suggest that the protein encoded by this gene may suppress growth in postmitotic neurons.</p> <p>Function: Growth suppressor that facilitates the entry of the cell into cell cycle arrest. Functionally</p>

similar to the retinoblastoma protein it binds to and represses the activity of cell-cycle-promoting proteins such as SV40 large T antigen, adenovirus E1A, and the transcription factor E2F. Necdin also interacts with p53 and works in an additive manner to inhibit cell growth. Functions also as transcription factor and binds directly to specific guanosine-rich DNA sequences.

Subunit:

Binds to the transactivation domains of E2F1 and p53. Binds also SV40 large T antigen and adenovirus E1A. Interacts with nucleobindin 1 and 2

Subcellular Location:

Perikaryon. Nucleus. Neural perikarya, translocates to the nucleus of postmitotic neurons and interacts with the nuclear matrix.

Tissue Specificity:

Almost ubiquitous. Detected in fetal brain, lung, liver and kidney; in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon. Not detected in peripheral blood leukocytes. In brain, restricted to post-mitotic neurons.

Similarity:

Contains 1 MAGE domain.

SWISS:

Q99608

Gene ID:

4692

Database links:

[Entrez Gene: 4692](#)Human

[Entrez Gene: 17984](#)Mouse

[Entrez Gene: 308690](#)Rat

[Omim: 602117](#)Human

[SwissProt: Q99608](#)Human

[SwissProt: P25233](#)Mouse

[Unigene: 50130](#)Human

[Unigene: 400253](#)Mouse

[Unigene: 3096](#)Rat

	<p>Important Note:</p>
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