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Necdin Rabbit pAb

Catalog # AP98394

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q99608
Other Accession	Q99608
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36086
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Necdin
Epitope Specificity	101-200/321
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 MAGE domain.
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
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	4692
Other Names	HsT16328; PWCR; Peg6; NECD_HUMAN; NDN; NECD_MOUSE; necdin, MAGE family member; necdin homolog (mouse); necdin, melanoma antigen (MAGE) family member; Prader-Willi syndrome chromosome region
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	NDN

Function	Growth suppressor that facilitates the entry of the cell into cell cycle arrest. Functionally 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. Also functions as a transcription factor and directly binds to specific guanosine-rich DNA sequences (By similarity).
Cellular Location	Perikaryon. Nucleus. Note=Neural perikarya, translocates to the nucleus of postmitotic neurons and interacts with the nuclear matrix
Tissue Location	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

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