SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Necdin antibody

Catalog Number: SL6390R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Necdin
Immunogen:	KLH conjugated synthetic peptide derived from human Necdin: 101-200/321
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	36kDa
Subcellular Location:	The nucleus
Background:	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. **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. 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

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	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. **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

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