

Rabbit NDP Polyclonal Antibody | anti-NDP antibody

NDP antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200538	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

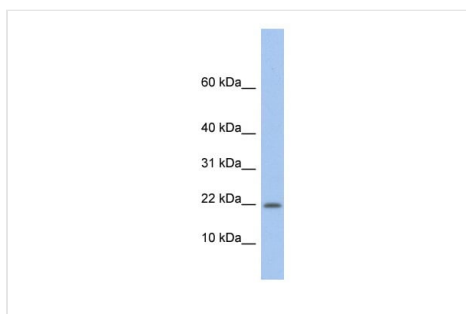
PRODUCT SYNONYMS

NDP; Polyclonal Antibody; NDP antibody - middle region; anti-NDP antibody

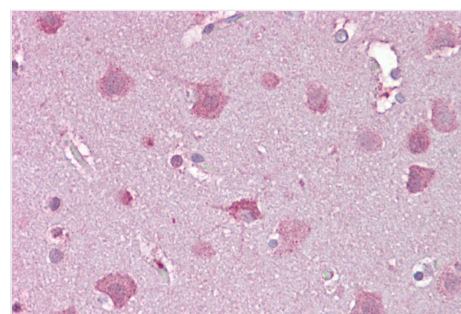
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DP RRCMRHHYVD SISHPLYKCS SKMVLLARCE GHCSQASRSE PLVSFSTV
Sequence Length	133
Applicable Applications for anti-NDP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NDP
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-NDP Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Liver


IHC (Immunohistochemistry)

Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 5ug/ml using anti-NDP antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NDP antibody	This is a rabbit polyclonal antibody against NDP. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NDP activates the canonical Wnt signaling pathway through FZD4 and LRP5 coreceptor. NDP plays a central role in retinal vascularization by acting as a ligand for FZD4 that signals via stabilizing beta-catenin (CTNNB1) and activating LEF/TCF-mediated transcriptional programs. NDP acts in concert with TSPAN12 to activate FZD4 independently of the Wnt-dependent activation of FZD4, suggesting the existence of a Wnt-independent signaling that also promote accumulation the beta-catenin (CTNNB1). NDP may be involved in a pathway that regulates neural cell differentiation and proliferation. NDP is the genetic locus identified as harboring mutations that result in Norrie disease. Norrie disease is a rare genetic disorder characterized by bilateral congenital blindness that is caused by a vascularized mass behind each lens due to a maldeveloped retina (pseudoglioma). Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-94 AL034370.1 53727-53820 c 95-1761 X65882.1 1-1667 1762-1935 BE139596.1 1-174 c
Product Categories/Family for anti-NDP antibody	Polyclonal; Neurobiology; Signal Proteins; Growth Factors & Hormones; Disease Related; Immunohistochemistry ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557789
NCBI GeneID	4693
NCBI Accession #	NP_000257
NCBI GenBank Nucleotide #	NM_000266
UniProt Accession #	Q00604
Molecular Weight	15kDa
NCBI Official Full Name	norrin
NCBI Official Synonym Full Names	norrin cystine knot growth factor NDP
NCBI Official Symbol	NDP
NCBI Official Synonym Symbols	ND; EVR2; FEVR
NCBI Protein Information	norrin
UniProt Protein Name	Norrin
UniProt Gene Name	NDP
UniProt Synonym Gene Names	EVR2
UniProt Entry Name	NDP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ndp-antibody-western-blot-immunohistochemistry-elisa/200538>