

Datasheet for ABIN2786504

anti-Norrie Disease (Pseudoglioma) antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Norrie Disease (Pseudoglioma) (NDP)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Norrie Disease (Pseudoglioma) antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NDP
Sequence:	DPRRCMRHHY VDSISHPLYK CSSKMVLLAR CEGHCSQASR SEPLVSFSTV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NDP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Norrie Disease (Pseudoglioma) (NDP)
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Target Details

Alternative Name:	NDP (NDP Products)
Background:	<p>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</p> <p>Alias Symbols: EVR2, FEVR, ND</p> <p>Protein Interaction Partner: FZD4, NDP, BAG3, APP, LGALS8, PPP1CA,</p> <p>Protein Size: 133</p>
Molecular Weight:	15 kDa
Gene ID:	4693
NCBI Accession:	NM_000266 , NP_000257
UniProt:	Q00604
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 133 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

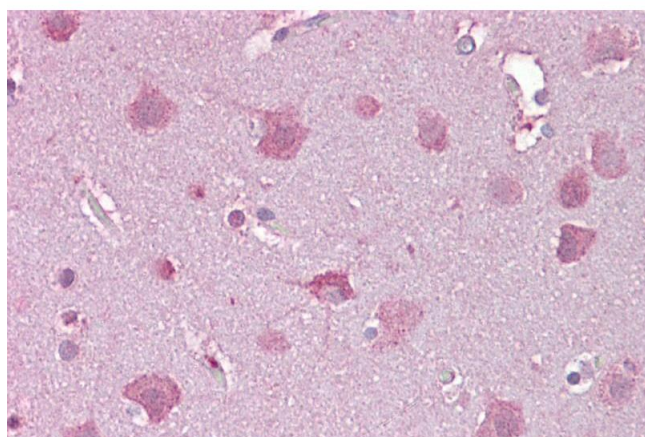


Western Blotting

Image 1. WB Suggested Anti-NDP Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Liver



Immunohistochemistry

Image 2. Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 5µg/ml using anti-NDP antibody (ARP56082_P050)