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# Datasheet for ABIN500373 anti-Norrie Disease (Pseudoglioma) antibody (N-Term)





Overview

Quantity:	0.1 mg
Target:	Norrie Disease (Pseudoglioma) (NDP)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Norrie Disease (Pseudoglioma) antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	Norrin antibody was raised against an 18 amino acid peptide from near the amino terminus of human Norrin.
Isotype:	lgG
Specificity:	This antibody detects NDP.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography
Target Details	

Target:	Norrie Disease (Pseudoglioma) (NDP)
Alternative Name:	NDP (NDP Products)

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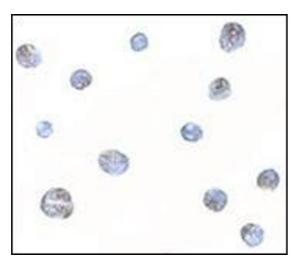
## Target Details

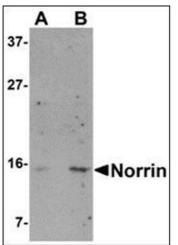
Background:	Norrie disease is an X-linked genetic disorder characterized by progressive atrophy of the eyes,
	mental disturbances and deafness. The gene responsible for this disease was initially identified
	through positional cloning. Norrin, the gene product, encodes a small secreted, cysteine-rich
	protein that is thought to act as a ligand for the Wnt-receptor/b-catenin signal pathway despite
	having sequence homology with the Wnt family of proteins. Mice lacking this gene have
	abnormal blood vessel growth in the vitreous and a disorganized retina, transgenic ectopic
	expression of Norrin restores normal retinal vasculature. Recent evidence shows that Norrin
	can attenuate tPA and uPA-mediated death of transformed rat retinal ganglion cells (RGC-5) by
	activating the Wnt/b-catenin pathway and regulating the phosphorylation of LRP-1, a cell
	surface receptor for tPA and uPA, suggesting the Norrin may function in vivo by regulating
	kinases which may alter the phosphorylation of LRP-1.Synonyms: EVR2, Norrie disease protein,
	Norrin
Gene ID:	4693
NCBI Accession:	NP_000257
UniProt:	Q00604
Pathways:	Sensory Perception of Sound

## Application Details

Application Notes:	ELISA. Western blot. Immunocytochemistry. Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

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#### Immunofluorescence

**Image 1.** Immunocytochemistry of Norrin in Jurkat cells with this product at  $5 \,\mu\text{g/ml}$ .

#### Western Blotting

**Image 2.** Western blot analysis of Norrin in Jurkat cell lysate with this product at (A) 1 and (B)  $2 \mu g/ml$ .

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