

Datasheet for 600-401-DD5**Norrin Antibody****Overview**

Description:	Anti-Norrin (RABBIT) Antibody - 600-401-DD5
Item No.:	600-401-DD5
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product 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/beta-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/beta-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:	Norrin Antibody, ND, EVR2, FEVR, Norrin, Norrie disease protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NDP
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Norrin antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the N-terminus of human Norrin.
Purity/Specificity:	Anti-Norrin Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Norrin from other sources has not been determined.
Relevant Links:	• UniProtKB - Q00604 • GeneID - 4693 • NCBI - NP_000257

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-Norrin Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 15 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

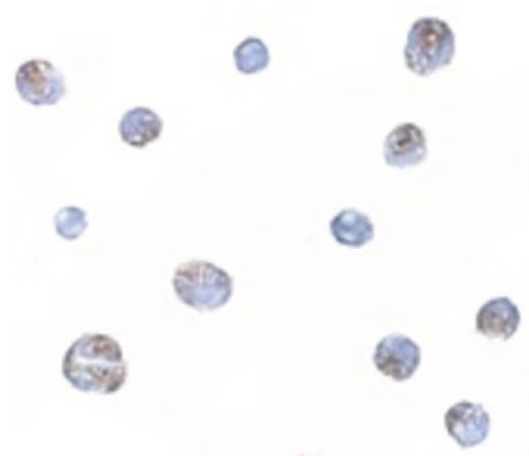
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

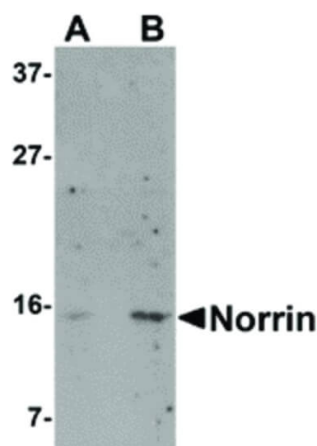
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunocytochemistry of Norrin antibody. Tissue: Jurkat cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Norrin antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Norrin is secreted into extracellular regions. Staining: Norrin as precipitated blue signal with brown counterstain.



Western Blot

Western Blot of Norrin antibody. Lane 1: Jurkat cell lysate with Norrin antibody at 1 µg/mL. Lane 2: Jurkat cell lysate with Norrin antibody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 15 kDa, 15 kDa for Norrin. Other band(s): Norrin splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.