

Anti-Norrin NDP Antibody

Catalog Number: A01045

About NDP

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.

Overview

Product Name	Anti-Norrin NDP Antibody
Reactive Species	Human
Description	Boster Bio Anti-Norrin NDP Antibody (Catalog # A01045). Tested in ELISA, WB, ICC applications. This antibody reacts with Human.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	Norrin Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q00604

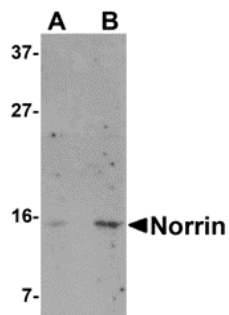
Technical Details

Immunogen	Norrin antibody was raised against an 18 amino acid synthetic peptide from near the amino terminus of human Norrin. The immunogen is located within the first 50 amino acids of Norrin.
Predicted Reactive Species	Bovine, Mouse
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Norrin Antibody is affinity chromatography purified via peptide column.

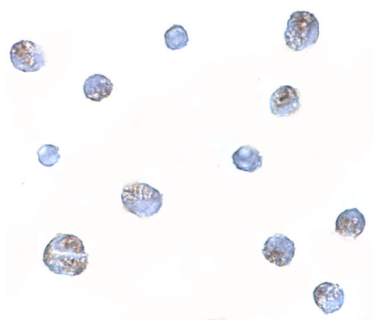
Suggested Dilutions

Norrin antibody can be used for detection of Norrin by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 5 ug/mL.
Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Norrin NDP Antibody (A01045) Images



Western blot analysis of Norrin in Jurkat cell lysate with Norrin antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of Norrin in Jurkat cells with Norrin antibody at 5 ug/mL.

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