

Product datasheet for **TA306758**

NDP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Norrin antibody was raised against an 18 amino acid peptide from near the amino terminus of human Norrin.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NDP, norrin cystine knot growth factor
Database Link:	NP_000257 Entrez Gene 4693 Human Q00604

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Background:

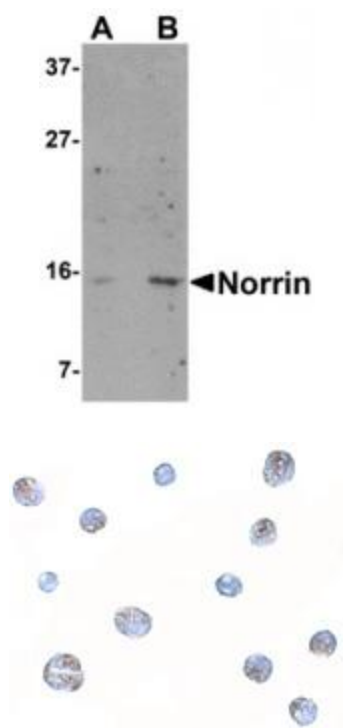
Norrie disease is an X-linked genetic disorder characterized by progressive atrophy of the eyes, mental disturbances and deafness. The gene responsible for this disease was initially identified through positional cloning. Norrin, the gene product, encodes a small secreted, cysteine-rich protein that 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; FEVR; ND

Protein Families:

Druggable Genome, Secreted Protein

Product 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.