

## **NORRIN Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57378

## **Product Information**

**Application** IHC-P, IHC-F, IF, ICC, E

Primary Accession Q00604

**Reactivity** Pig, Dog, Bovine

HostRabbitClonalityPolyclonalCalculated MW15044

## **Additional Information**

**Gene ID** 4693

Other Names Norrin, Norrie disease protein, X-linked exudative vitreoretinopathy 2 protein,

NDP, EVR2

**Dilution** IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-

10000

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

## **Protein Information**

Name NDP

**Synonyms** EVR2

**Function** Activates the canonical Wnt signaling pathway through FZD4 and LRP5

coreceptor. 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. 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). May be involved in a pathway that regulates neural cell differentiation and proliferation. Possible role in

neuroectodermal cell-cell interaction.

**Cellular Location** Secreted.

**Tissue Location** Expressed in the outer nuclear, inner nuclear and ganglion cell layers of the

retina, and in fetal and adult brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.