

Datasheet for ABIN6263552

anti-Norrie Disease (Pseudoglioma) antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Norrie Disease (Pseudoglioma) (NDP)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Norrie Disease (Pseudoglioma) antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human NDP
Isotype:	IgG
Specificity:	NDP Antibody detects endogenous levels of total NDP
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Norrie Disease (Pseudoglioma) (NDP)
Alternative Name:	NDP (NDP Products)
Background:	Description: Activates the canonical Wnt signaling pathway through FZD4 and LRP5 coreceptor.

Target Details

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.

Gene: NDP

Molecular Weight: 15kDa

Gene ID: 4693

UniProt: [Q00604](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

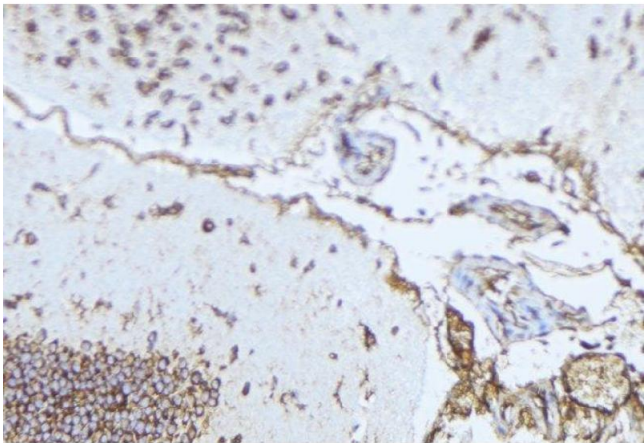
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

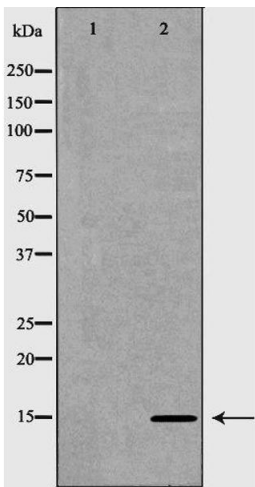
Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



Immunohistochemistry

Image 1. ABIN6276984 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

Image 2. Western blot analysis of Mouse liver tissue lysates, using NDP Antibody. The lane on the left is treated with the antigen-specific peptide.