



# CHRD1 mouse mAb

<b>Catalog No</b>	BYab-12626
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;IHC;ICC
<b>Gene Name</b>	chrd1
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human CHRD1 protein fragments expressed in E.coli.
<b>Specificity</b>	This antibody detects endogenous levels of CHRD1 and does not cross-react with related proteins.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb 1:1000 IHC-p 1:300 icc 1:300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CHL;chordin like 1;Chordin-like protein 1;CHRD1;CRDL1_HUMAN;dA141H5.1;neuralin 1; Neuralin-1;Neurogenesin-1;NRLN1;Ventroptin;VOPT.
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Expressed in the developing cornea and in the eye anterior segment in addition to the retina. Differentially expressed in the fetal brain. There is high expression in cerebellum and neocortex. Expressed in retinal pericytes.
<b>Function</b>	function:Antagonizes the function of BMP4 by binding to it and preventing its interaction with receptors. Alters the fate commitment of neural stem cells from gliogenesis to neurogenesis. Contributes to neuronal differentiation of neural stem cells in the brain by preventing the adoption of a glial fate. May play a crucial role in dorsoventral axis formation. May play a role in embryonic bone formation (By similarity). May also play an important role in regulating retinal angiogenesis trough modulation of BMP4 actions in endothelial cells.,induction:By hypoxia in retinal pericytes.,similarity:Contains 3 VWFC domains.,tissue

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specificity:Expressed in retinal pericytes.,

**Background**

This gene encodes an antagonist of bone morphogenetic protein 4. The encoded protein may play a role in topographic retinotectal projection and in the regulation of retinal angiogenesis in response to hypoxia. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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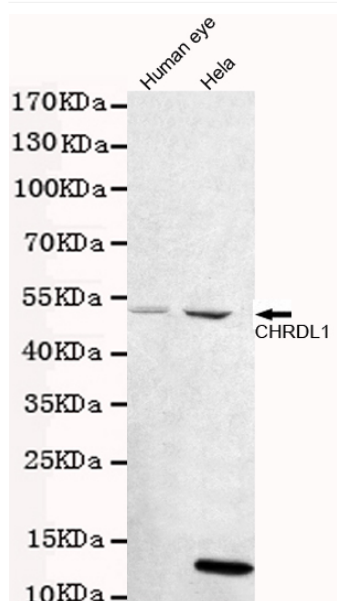
网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

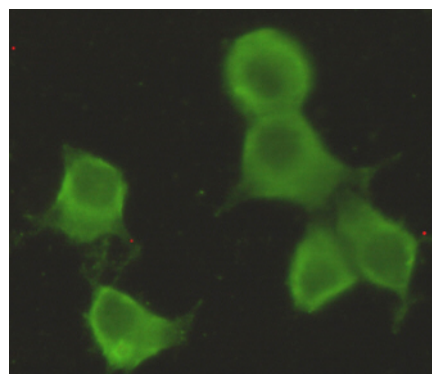
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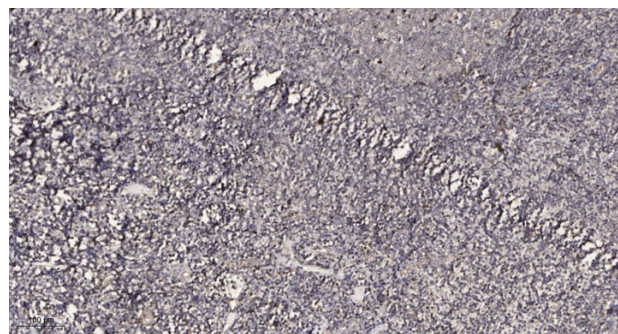
## Products Images



Western blot detection of CHRDL1 in human eye and Hela cell lysates using CHRDL1 mouse mAb (1:1000 diluted). Predicted band size: 57kDa. Observed band size: 52kDa.



Immunocytochemistry stain of Hela using CHRDL1 mouse mAb (1:300).



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).