



CHRD1 Monoclonal Antibody

Catalog No	BYab-12624
Isotype	IgG
Reactivity	Human;Rat
Applications	WB
Gene Name	CHRD1
Protein Name	Chordin-like protein 1
Immunogen	Purified recombinant human CHRD1 protein fragments expressed in E.coli.
Specificity	CHRD1 Monoclonal Antibody detects endogenous levels of CHRD1 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CHRD1; NRLN1; Chordin-like protein 1; Neuralin-1; Neurogenesin-1; Ventroptin
Observed Band	
Cell Pathway	Secreted .
Tissue Specificity	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.
Function	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 through modulation of BMP4 actions in endothelial cells.,induction:By hypoxia in retinal pericytes.,similarity:Contains 3 VWFC domains.,tissue specificity:Expressed in retinal pericytes.,

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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],

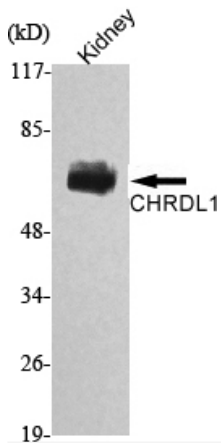
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western Blot analysis using CHRDL1 Monoclonal Antibody against rat kidney lysate.