

Rabbit anti-Human CHRDL1 Polyclonal Antibody | anti-CHRDL1 antibody

CHRDL1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288309	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

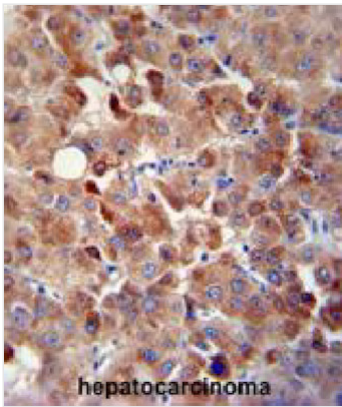
PRODUCT SYNONYMS

CHRDL1; Polyclonal Antibody; CHRDL1 Antibody (N-term); Chordin-like protein 1; Neuralin-1; Neurogenesis-1; Ventroptin; NRLN1; anti-CHRDL1 antibody

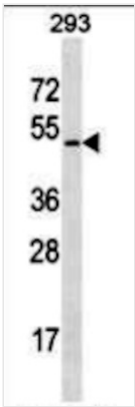
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CHRDL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-30 amino acids from the N-terminal region of human CHRDL1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	2-30
Sequence Length	458
Applicable Applications for anti-CHRDL1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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. Plays a role during anterior segment eye development.
Cellular Location	Secreted
Tissue Location	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
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
CHRDL1 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CHRDL1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CHRDL1 Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CHRDL1 antibody detected the CHRDL1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CHRDL1 antibody	CHRDL1 is 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.
Product Categories/Family for anti-CHRDL1 antibody	Neuroscience; Signal Transduction
References	Fernandes, H., et al. Cells Tissues Organs (Print) 191(6):443-452(2010) Larman, B.W., et al. J. Am. Soc. Nephrol. 20(5):1020-1031(2009) Kane, R., et al. Mol. Vis. 14, 1138-1148 (2008) : Kosinski, C., et al. Proc. Natl. Acad. Sci. U.S.A. 104(39):15418-15423(2007) Gazzerro, E., et al. Rev Endocr Metab Disord 7 (1-2), 51-65 (2006) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316561
NCBI GeneID	91851
NCBI Accession #	NP_001137453.1; NP_001137454.1; NP_001137455.2; NP_660277.2
NCBI GenBank Nucleotide #	NM_001143981.1
UniProt Accession #	Q9BU40; Q539E4; Q9Y3H7; B1AKD0; B4DMP3; D3DUY6; E9PGS5
Molecular Weight	52006
NCBI Official Full Name	chordin-like protein 1 isoform 1
NCBI Official Synonym Full Names	chordin-like 1
NCBI Official Symbol	CHRDL1
NCBI Official Synonym Symbols	CHL; MGC1; MGCN; VOPT; NRLN1; dA141H5.1
NCBI Protein Information	chordin-like protein 1
UniProt Protein Name	Chordin-like protein 1
UniProt Gene Name	CHRDL1
UniProt Synonym Gene Names	NRLN1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chrdl1-antibody-immunohistochemistry-western-blot-elisa/288309>