

CHRD1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10667a**Specification**

CHRD1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9BU40](#)**CHRD1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 91851**Other Names**

Chordin-like protein 1, Neuralin-1, Neurogenesin-1, Ventroptin, CHRD1, NRLN1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CHRD1 Antibody (N-term) Blocking peptide - Protein Information**Name** CHRD1**Synonyms** NRLN1**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.

CHRD1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CHRD1 Antibody (N-term) Blocking peptide - Images**CHRD1 Antibody (N-term) Blocking peptide - Background**

CHRD1 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.

CHRD1 Antibody (N-term) Blocking peptide - 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) Gazzero, E., et al. Rev Endocr Metab Disord 7 (1-2), 51-65 (2006) :