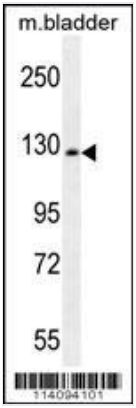
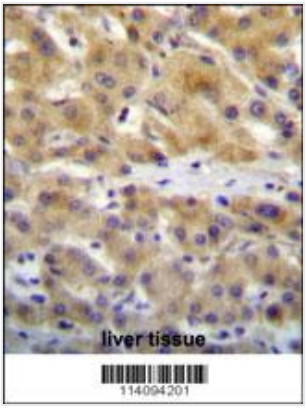
CHRD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHRD, Polyclonal Antibody
Full Product Name	CHRD, NT (Chordin, UNQ217/PRO243) (Biotin)
Product Gene Name	anti-CHRD antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human CHRD.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	102.032
OMIM	AF209928 mRNA
3D Structure	ModBase 3D Structure for Q9H2X0
Immunogen	Synthetic peptide selected from the N-terminal region of human CHRD (KLH).
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-CHRD antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-CHRD antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-CHRD antibody	IHC: 1:10-1:50 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CHRD antibody	MBS6468866 is an antibody targeting CHRD. Also known as CHRD, NT (Chordin, UNQ217/PRO243) (Biotin). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CHRD antibody	1. Lim, J., Cell 125(4), 801-814 (2006). 2. Moll, F., FASEB J. 20(2), 240-250 (2006).
Other Notes	Small volumes of anti-CHRD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CHRD antibody
CHRD Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the CHRD antibody detected the CHRD protein (arrow).



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHRD. It may not necessarily be applicable to this product.

NCBI GI #	30089980
NCBI GeneID	8646
NCBI Accession #	NP_003732
UniProt Primary Accession #	Q9H2X0
UniProt Related Accession #	Q9H2X0
GenBank Nucleotide #	NP_003732.2
NCBI Official Full Name	chordin isoform 1
NCBI Official Synonym Full Names	chordin
NCBI Official Symbol	CHRD
UniProt Protein Name	Chordin
Protein Family	Chordin
UniProt Gene Name	CHRD
NCBI Protein Information	chordin
NCBI Summary for CHRD	This gene encodes a secreted protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. The encoded protein may also have roles in organogenesis and during adulthood. It has been suggested that this gene could be a candidate gene for Cornelia de Lange syndrome. Reduced expression of this gene results in enhanced bone regeneration. Alternative splicing results in multiple transcript variants. Other alternative splice variants have been described but their full length sequence has not been determined. [provided by RefSeq, Jan 2015]
UniProt Comments for CHRD	Dorsalizing factor. Key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta family bone morphogenetic proteins (BMPs) and sequestering them in latent complexes ().
Research Articles on CHRD	**1.** Data suggest CHRD (chordin) cleavage by tolloid-like metalloproteinases is insufficient to regulate BMP(bone morphogenetic protein)/BMPR signaling; CHRD fragments and TSG (twisted gastrulation protein) contribute to inhibition of BMP/BMPR signaling.

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