CHRD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHRD, Polyclonal Antibody
Full Product Name	CHRD, ID (CHRD, Chordin) (MaxLight 650)
Product Gene Name	anti-CHRD antibody
Product Synonym Names	CHRD; Chordin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	102,032 Da
OMIM	AF209928 mRNA
3D Structure	ModBase 3D Structure for Q9H2X0
Immunogen	CHRD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 438-467 amino acids from the Central region of human CHRD.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CHRD antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-CHRD antibody	Western Blot (WB), FLISA
Application Notes for anti-CHRD antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CHRD antibody	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. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their full length sequence has not been determined.
Product References and Citations for anti-CHRD antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Kwong, F.N., et al. J. Orthop. Res. 27(6):752-757(2009). Kwong, F.N., et al. Int Orthop 33(1):281-288(2009).

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.
Searchable Terms for CHRD purchase	MBS6285796 is an antibody targeting CHRD. Also known as CHRD, ID (CHRD, Chordin) (MaxLight 650). Reactive in Mouse. Host: Rabbit.

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_003732.2
UniProt Primary Accession #	Q9H2X0
UniProt Secondary Accession #	O95254; Q2M1I8; Q6UW83; Q9H2D3; Q9H2W8; Q9H2W9; Q9P0Z2; Q9P0Z3; Q9P0Z4; Q9P0Z5
UniProt Related Accession #	Q9H2X0
GenBank Nucleotide #	NM_003741.2
NCBI Official Full Name	chordin
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
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.** chordin silencing increased osteogenic differentiation without supplemented BMP-2.
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