GREM2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GREM2, Monoclonal Antibody
Full Product Name	GREM2 (Gremlin-2, Cysteine Knot Superfamily 1, BMP Antagonist 2, DAN Domain Family Member 3, Protein Related to DAN and Cerberus, CKTSF1E
Product Gene Name	anti-GREM2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4D9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GREM2.
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 stor only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing a
Molecular Weight	19,320 Da
Immunogen	Full length recombinant corresponding to aa1-169 from human GREM2 (AAH46632) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MFWKLSLSLFMVAVLVKVAEARKNRPAGAIHSPYKDGSSNNSERWQHQIKEVLASSQEALVVTERKYLKSDWCKTQPLRQTVSEEGCRSRTILNRFCCG
Conjugate	Biotin
Product Categories/Family for anti-GREM2 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-GREM2 antibody	ELISA (EIA)
Application Notes for anti-GREM2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GREM2 antibody	Cytokine that inhibits the activity of BMP2 and BMP4 in a dose-dependent manner. Antagonized BMP4-induced suppression of progesterone productio
Other Notes	Small volumes of anti-GREM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for GREM2 purchase	MBS6142159 is an antibody targeting GREM2. Also known as GREM2 (Gremlin-2, Cysteine Knot Superfamily 1, BMP Antagonist 2, DAN Domain Fam Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GREM2. It may not necessarily be applicable to this product.

NCBI GI #	28302282
NCBI GeneID	64388
NCBI Accession #	BC046632
NCBI Related Accession #	AAH46632.1
UniProt Secondary Accession #	Q86UD9
UniProt Related Accession #	Q9H772
NCBI Official Full Name	Homo sapiens gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis), mRNA
NCBI Official Synonym Full Names	gremlin 2, DAN family BMP antagonist
NCBI Official Symbol	GREM2
NCBI Official Synonym Symbols	PRDC; DAND3; CKTSF1B2
Protein Family	Gremlin
NCBI Protein Information	gremlin-2
NCBI Summary for GREM2	This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted glycosylated protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. [provided by RefSeq, Jul 2008]
Research Articles on GREM2	**1.** Gremlin 2 inhibits adipocyte differentiation through activation of Wnt/beta-catenin signaling
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