GREM1 monoclonal antibody (M02A), clone 2C8

Catalog # H00026585-M02A Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GREM1.
Immunogen	GREM1 (NP_037504, 75 a.a. ~ 184 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ESSQEALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGQCNSFYIPRHIRKEEGSFQSCSFCKPKKFTTMMVTLNCPELQPPTKKKRVTRVKQCRCISIDLD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — GREM1

Entrez GeneID	26585
GeneBank Accession#	NM_013372

Protein Accession#	NP_037504
Gene Name	GREM1
Gene Alias	CKTSF1B1, DAND2, DRM, GREMLIN, IHG-2, MGC126660, PIG2
Gene Description	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)
Omim ID	603054
Gene Ontology	Hyperlink
Gene Summary	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. In mouse, this protein has been shown to relay the sonic hedgehog (SHH) signal from the polarizing region to the apical ectodermal ridge during limb bud outgrowth. [provided by RefSeq
Other Designations	cysteine knot superfamily 1, BMP antagonist 1|down-regulated in Mos-transformed cells|gremlin 1-like protein|gremlin-1|increased in high glucose-2|proliferation-inducing gene 2

Disease

- Breast cancer
- Breast Neoplasms
- Colorectal Neoplasms
- Diabetic Nephropathies
- Genetic Predisposition to Disease