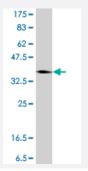


GREM1 polyclonal antibody (A01)

Catalog # H00026585-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa).

Specification	
Product Description	Mouse polyclonal antibody raised against a partial recombinant GREM1.
Immunogen	GREM1 (NP_037504, 75 a.a. ~ 184 a.a) partial recombinant protein with GST tag.
Sequence	ESSQEALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGQCNSFYIPRHIRKEEGSFQSC SFCKPKKFTTMMVTLNCPELQPPTKKKRVTRVKQCRCISIDLD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa).
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications



• Western Blot (Recombinant protein)

Protocol Download

ELISA

Gene Info — GREM1	
Entrez GeneID	<u>26585</u>
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	<u>603054</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BM Ps, 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 gly cosylated protein encoded by this gene is likely due to its direct binding to BMP proteins. As an a ntagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tis sue differentiation. In mouse, this protein has been shown to relay the sonic hedgehog (SHH) sign al 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
- <u>Diabetic Nephropathies</u>



Genetic Predisposition to Disease