



Anti-GREM1 (aa 75-184) polyclonal antibody (DPAB-DC1319)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	GREM1 (NP_037504, 75 a.a. ~ 184 a.a) partial recombinant protein with GST tag. The sequence is ESSQEALHVTERKYLKRDWCKTQPLKQTIHEEGCNSRTIINRFCYGGQNSFYIPRHIRKE EGSFQSCSFCKPKKFTTMMVTLNCPELQPPTKKKRVTRVKQCRCISIDLD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GREM1 gremlin 1, DAN family BMP antagonist [Homo sapiens (human)]
Official Symbol	GREM1
Synonyms	GREM1; gremlin 1, DAN family BMP antagonist; DRM; HMPS; PIG2; CRAC1; DAND2; IHG-2; GREMLIN; CKTSF1B1; gremlin-1; gremlin 1-like protein; DAN domain family member 2; increased in high glucose-2; colorectal adenoma and carcinoma 1; cell proliferation-inducing gene 2 protein; cysteine knot superfamily 1, BMP antagonist 1; gremlin 1, cysteine knot superfamily, homolog; down-regulated in Mos-transformed cells protein;
Entrez Gene ID	26585
Protein Refseq	NP_001178251
UniProt ID	B3KTR9
Chromosome Location	15q13.3
Pathway	BMP receptor signaling;
Function	BMP binding; cytokine activity; morphogen activity; protein binding
