

Rabbit GREM1/Gremlin-1 Polyclonal Antibody | anti-GREM1 antibody

GREM1/Gremlin-1 Rabbit anti-Mouse Polyclonal (aa26-184) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162803	Rabbit	Mouse, Rat, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

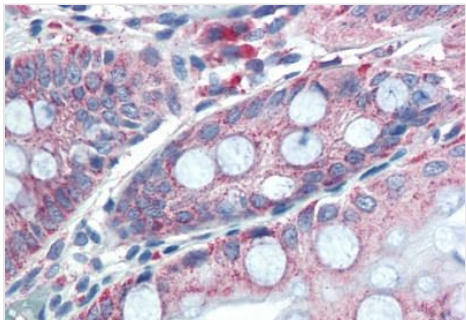
PRODUCT SYNONYMS

GREM1/Gremlin-1; Polyclonal Antibody; GREM1/Gremlin-1 Rabbit anti-Mouse Polyclonal (aa26-184) Antibody; PathPlus GREM1/Gremlin-1 Antibody (aa26-184); GREM1; CKTSF1B1; DAN domain family member 2; DAND2; DRM; GREMLIN; Gremlin 1-like protein; Increased in high glucose-2; Gremlin-1; PIG2; Proliferation-inducing gene 2; Gremlin 1; IHG-2; anti-GREM1 antibody

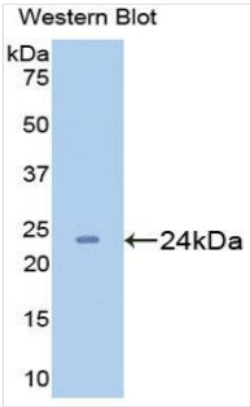
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against GREM1.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Form/Format	PBS, pH7.4, 0.02% Sodium Azide, 50% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GREM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Mouse GREM1/Gremlin-1
Immunogen	Recombinant GREM1 (Lys26-Asp184) expressed in E Coli.
Conjugation	Unconjugated
Epitope	aa26-184
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.

IMAGES



IHC (Immunohistochemistry)
GREM1/Gremlin-1 Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
GREM1/Gremlin-1 Antibody-Western blot of recombinant GREM1/Gremlin-1. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-GREM1 antibody	Gremlin-1 antibody is an unconjugated rabbit polyclonal antibody to Gremlin-1 (GREM1)(aa26-184) from mouse. It is reactive with human, mouse and rat. Validated for IHC and WB. GREM1 (Gremlin-1) is 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.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019349
NCBI GeneID	26585
NCBI Accession #	NP_037504.1
NCBI GenBank Nucleotide #	NM_013372
UniProt Accession #	O60565; Q52LV3; Q8N914; Q8N936
Molecular Weight	16,292 Da
NCBI Official Full Name	gremlin-1 isoform 1
NCBI Official Synonym Full Names	gremlin 1, DAN family BMP antagonist
NCBI Official Symbol	GREM1
NCBI Official Synonym Symbols	DRM; HMPS; MPSH; PIG2; CRAC1; CRCS4; DAND2; HMPS1; IHG-2; DUP15q; C15DUPq; GREMLIN; CKTSF1B1
NCBI Protein Information	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
UniProt Protein Name	Gremlin-1
UniProt Gene Name	GREM1

UniProt Synonym Gene Names	CKTSF1B1; DAND2; DRM; IHG-2
UniProt Entry Name	GREM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/grem1-gremlin-1-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162803>