

Rabbit GREMLIN Polyclonal Antibody | anti-Grem1 antibody

GREMLIN Antibody (C-term)

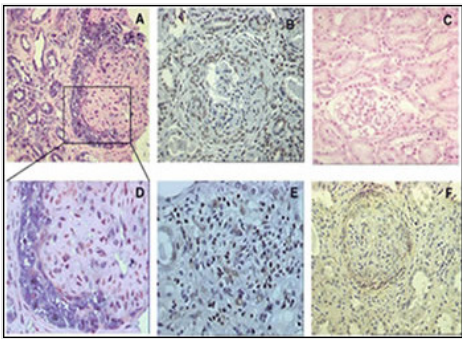
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289010	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GREMLIN; Polyclonal Antibody; GREMLIN Antibody (C-term); Grem1-1; Cysteine knot superfamily 1; BMP antagonist 1; Down-regulated in Mos-transformed cells protein; Grem1; Cktsf1b1; Dm; anti-Grem1 antibody

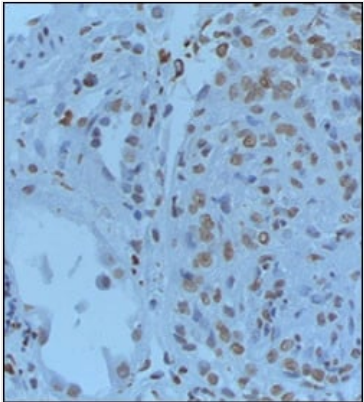
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GREMLIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the C-terminal region of mouse GREMLIN.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	147-175
Sequence Length	184
Applicable Applications for anti-Grem1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



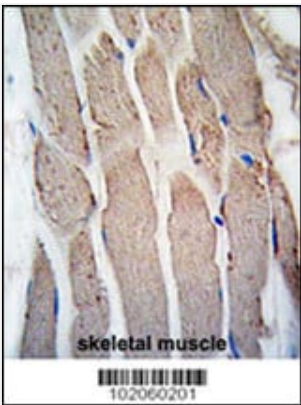
IHC (Immunohistochemistry)

ISH and IMH demonstrating gremlin mRNA and gremlin protein in crescentic PECs and tubular epithelial cells of patients with pauci-immune crescentic GN. In comparison with normal renal tissue in which there is no expression of gremlin mRNA (C), proliferating PECs of glomerular crescents show a strong expression of gremlin mRNA by ISH (A); and gremlin protein expression by IMH (B); immune competent infiltrating interstitial cells are also strongly positive for gremlin staining (E); and CTGF was also expressed in these glomerular crescentic cells (F).



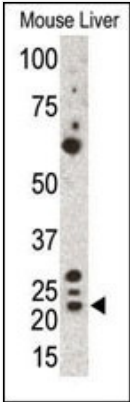
IHC (Immunohistochemistry)

Formalin-PBS and Bouin embedded paraffin human renal tissue pretreated with heat induced epitope retrieval Citrate buffer pH 6.0 in microwave. Dilution of primary antibody was 1:50. Detection method was ABC system or Vectastain Elite VECTOR. Data and protocol courtesy of Dr. Maria E. Burgos of Universidad Austral de Chile.



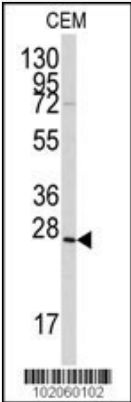
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with GREMLIN Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-Gremlin Pab in mouse liver cell lysate. Gremlin (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WB (Western Blot)

Western blot analysis of anti-Gremlin Pab in CEM cell line lysates (35ug/lane). Gremlin (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-Grem1 antibody	GREMLIN 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.
Product Categories/Family for anti-Grem1 antibody	Signal Transduction
References	Chen, B., et al., J. Immunol. 173(10):5914-5917 (2004). Chen, B., et al., Biochem. Biophys. Res. Commun. 295(5):1135-1141 (2002). McMahon, R., et al., J. Biol. Chem. 275(14):9901-9904 (2000). Murphy, M., et al., J. Biol. Chem. 274(9):5830-5834 (1999). Hsu, D.R., et al., Mol. Cell 1(5):673-683 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754068
NCBI GeneID	23892
NCBI Accession #	NP_035954.1
NCBI GenBank Nucleotide #	NM_011824.4
UniProt Accession #	O70326
Molecular Weight	20710
NCBI Official Full Name	gremlin-1
NCBI Official Synonym Full Names	gremlin 1
NCBI Official Symbol	Grem1
NCBI Official Synonym Symbols	Id; Drm; Grem; Cktsf1b1
NCBI Protein Information	gremlin-1
UniProt Protein Name	Gremlin-1
UniProt Gene Name	Grem1
UniProt Synonym Gene Names	Cktsf1b1; Drm
UniProt Entry Name	GREM1_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gremlin-antibody-immunohistochemistry-western-blot-elisa/289010>