

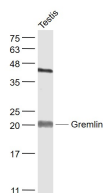
bs-1475R**[Primary Antibody]****Gremlin Rabbit pAb****BioSS**
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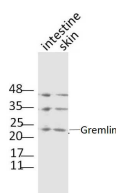
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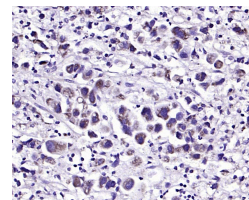
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 26585**SWISS:** O60565**Target:** Gremlin**Immunogen:** KLH conjugated synthetic peptide derived from human gremlin: 101-184/184.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** In Xenopus, Gremlin 1 belongs to a novel gene family that act as BMP antagonists in embryonic explants. The human homolog of Gremlin 1 (CKTFS1B1) is localized on human chromosome 15q13--> q15. Gremlin 1-specific mRNA is expressed in different human tissues, including brain, ovary, intestine and colon. It has been suggested that down-regulation of Gremlin 1 is associated with tumor progression, and support the hypothesis that human Gremlin 1 may play an important role during both neuroembryological development and carcinogenesis.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Cow, Chicken, Dog, Horse)**Predicted MW.:** 21 kDa**Subcellular Location:** Secreted**VALIDATION IMAGES**

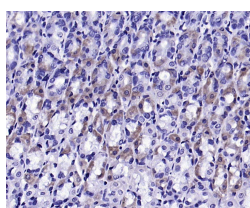
Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti- Gremlin (bs-1475R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kD
Observed band size: 21 kD



Sample: intestine (Mouse) Lysate at 40 ug skin (Mouse) Lysate at 40 ug Primary: Anti-Gremlin (Bs-1475R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kD Observed band size: 24 kD



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Gremlin) Polyclonal Antibody, Unconjugated (bs-1475R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal

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goat serum) at 37°C for 30min; Incubation with (Gremlin) Polyclonal Antibody, Unconjugated (bs-1475R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.6]** Takahashi Ikufumi. et al. Histological and immunohistochemical analyses of articular cartilage during onset and progression of pre- and early-stage osteoarthritis in a rodent model. SCI REP-UK. 2024 May;14(1):1-10 IHC ;Rat. 38719877
- **[IF=3.7]** Wellbrock, Jasmin, et al. "Overexpression of Gremlin-1 in Patients with Loeys-Dietz Syndrome: Implications on Pathophysiology and Early Disease Detection." PLoS one 9.8 (2014): e104742. IHC ;="Human". 25116393
- **[IF=2.9]** Xiao-yue Guan. et al. Blocking Gremlin1 inhibits M1 macrophage polarization through Notch1/Hes1 signaling pathway in apical periodontitis. IMMUNOPHARM IMMUNOT. 2024 八月 27 IHC ;Rat. 39134472
- **[IF=3.3]** Matilda H. C. Sheng. et al. Conditional Deletion of Gremlin-1 in Cathepsin K-expressing Mature Osteoclasts Altered the Skeletal Response to Calcium Depletion in Sex-Dependent Manner. CALCIFIED TISSUE INTERNATIONAL. 2025 Jan 9;116(1):28. IHC ;Mouse. 39789342
- **[IF=3]** Xiaoyue Guan. et al. The possible role of Gremlin1 in inflammatory apical periodontitis. ARCH ORAL BIOL. 2023 Nov;;105848 CoIP,IHC,IF ;Human,Rat. 37977053