
Gremlin Rabbit pAb

Catalog Number: bs-1475R

Target Protein: Gremlin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 26585

Swiss Prot: O60565

Source: KLH conjugated synthetic peptide derived from human gremlin: 101-184/184.

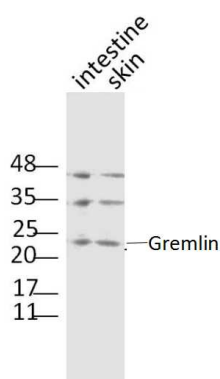
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

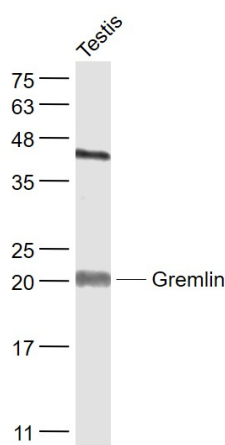
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

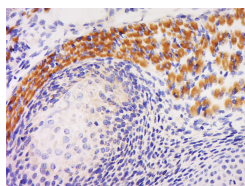
VALIDATION IMAGES



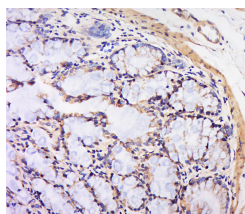
Sample: intestine (Mouse) Lysate at 40 ug skin (Mouse) Lysate at 40 ug Primary: Anti-Gremlin (Bs-1475R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kD Observed band size: 24 kD



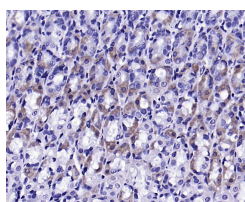
Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti- Gremlin (bs-1475R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kD Observed band size: 21 kD



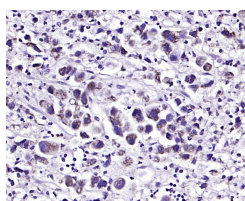
Tissue/cell: Mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Gremlin Polyclonal Antibody, Unconjugated(bs-1475R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat rectum); 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; Antibody incubation with (Gremlin) Polyclonal Antibody, Unconjugated (bs-1475R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes 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 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 (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.

PRODUCT SPECIFIC PUBLICATIONS

- [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] 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
- [IF=2.094] He H et al. Low oxygen concentrations improve yak oocyte maturation and enhance the developmental competence of preimplantation embryos. Theriogenology. 2020 Oct 15;156:46-58. WB ; Yak . 32673901