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Gremlin antibody

Catalog Number: PR-1470

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.

Description: Rabbit polyclonal to Gremlin.

Immunogen: KLH conjugated synthetic peptide derived from Gremlin.

Specificity: Recognizes Albumin of **Human, Mouse, Rabbit, Dog and Rat** in western blot and immunohistochemiscal staining.

Isotype: Rabbit IgG.

Size: 0.2mL (1mg/mL).

Formulation: 1% BSA, 0.01M phosphate-buffered saline, pH 7.4, 0.05% NaN₃.

Purity: Affinity chromatography purification by Protein A/G Column.

Application:

- Western blotting: 1/100-500. Predicted Mol wt: 20 kDa;
- Immunohistochemistry in formalin fixed frozen section: 1:100-500;
- Immunohistochemistry in paraffin section: 1:100-500;
- Immunocytochemistry: 1/100-500;
- ELISA: 1/1000;
- Optimal working dilutions must be determined by the end user.

Antigen Retrieval of Tissue: The paraffin section in 10mM citrate buffer, pH 6.0 for 10~15mins is required the staining of paraffin sections.

Positive control: Brain and Colon.

Cellular localization: Secreted.

Storage: Store at -20 °C for one year from date of receipt. Lyophilized antibody is stable at room temperature for at least two month and for greater than a year when kept at -20°C to -70°C. When reconstituted, lyophilized antibody is stable for at least two months at 2-8 °C. Avoid repeated freeze/thaw cycles.

Important Note: Gently centrifuge microtube to remove product from lid. This product as supplied is intended for in vitro laboratory use only, not for use in human, therapeutic or diagnostic applications.