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Datasheet for 200-401-H77

Gremlin Antibody

Overview

Description:	Anti-Gremlin (RABBIT) Antibody - 200-401-H77
Item No.:	200-401-H77
Size:	100 µg
Applications:	IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Gremlin Antibody detects human Gremlin. In Xenopus, Gremlin belongs to a novel gene family that act as BMP antagonists in embryonic explants. The human homolog of Gremlin (CKTSF1B1) is localized on chromosome 15q13--> q15. DRM-specific mRNA is expressed in different tissues, including brain, ovary, intestine and colon. It has been suggested that down-regulation of Gremlin is associated with tumor progression, and support the hypothesis that Gremlin may play an important role during both neuroembryological development and carcinogenesis. Anti-Gremlin Antibody is ideal for investigators involved in NFkappaB, signaling, and cell cycle protein research.
Synonyms:	CKTSF1B1, DAND2, DRM, Gremlin-1, Cell proliferation-inducing gene 2 protein, Cysteine knot superfamily 1, BMP antagonist 1, DAN domain family member 2, Down-regulated in Mos-transformed cells protein, Increased in high glucose protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GREM1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Gremlin Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to the internal amino acid sequences within the Gremlin-1 human protein.
Purity/Specificity:	Anti-Gremlin Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-Gremlin from Human, Rat and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Gremlin from other sources has not been determined.
Relevant Links:	• UniProtKB - O60565 • NCBI - NP_001178252.1 • GeneID - 26585

Application Details

Tested Applications:	IHC
Application Note:	Anti-Gremlin Antibody is tested for use in IHC (cryosections) and IHC-P. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	2.5-10 µg/mL (paraffin)
WB:	1:500-1:1000

Formulation

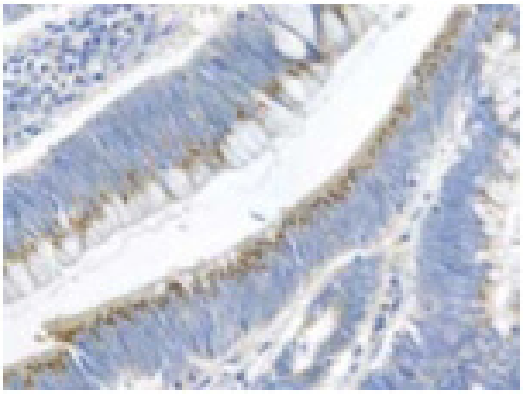
Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of Rabbit Anti-Gremlin antibody. Tissue: human colon cancer. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Gremlin antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT.
Staining: Gremlin is stained brown.

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