

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

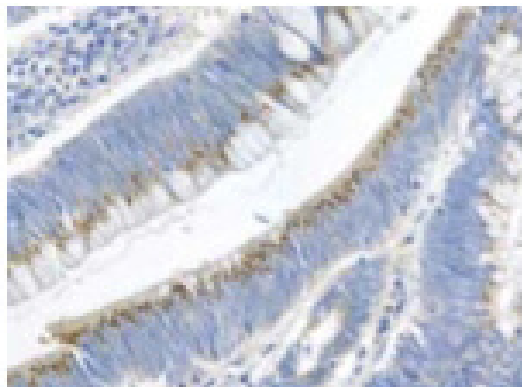
Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.