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Datasheet for 600-401-CG7

KREMEN1 Antibody

Overview

Description:	Anti-KREMEN1 (RABBIT) Antibody - 600-401-CG7
Item No.:	600-401-CG7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Kremen (Kringle containing protein marking the eye and the nose) proteins are type I transmembrane proteins that contain extracellular kringle, WSC and CUB domains and an intracellular region without any conserved motifs. Kremens bind a subset of the secreted Dickkopf proteins (Dkk 1, 2, and 4) with high affinity to modulate the canonical Wnt signaling pathway that is transduced by the ternary receptor complex composed of Wnt, Frizzled, and the LDL receptor related protein 5/6 (LRP5/6) coreceptor. KREMEN1 is a receptor for the Dickkopf protein which blocks Wnt/beta catenin signaling. It is necessary to ensure normal spatial and temporal patterns of Wnt activity during developmental processes.
Synonyms:	KREMEN1 Antibody, KRM1, KREMEN, KRM1, Kremen protein 1, Dickkopf receptor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KREMEN1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- KREMEN1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human KREMEN1.

Purity/Specificity:	Anti-KREMEN1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Three isoforms of KREMEN1 exists as a result of alternative splicing event.
Relevant Links:	• UniProtKB - Q96MU8 • GeneID - 83999 • NCBI - NP_114434

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-KREMEN1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 52 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20µg/mL
IHC:	5µg/mL
WB:	0.25-1 µg/mL

Formulation

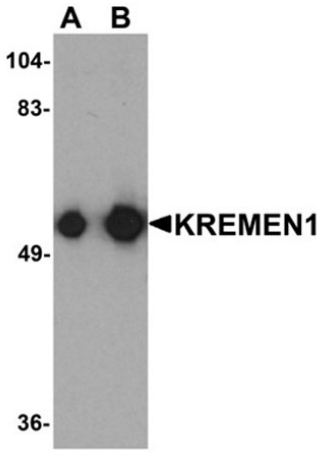
Physical State:	Liquid (sterile filtered)
Concentration:	1.0mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

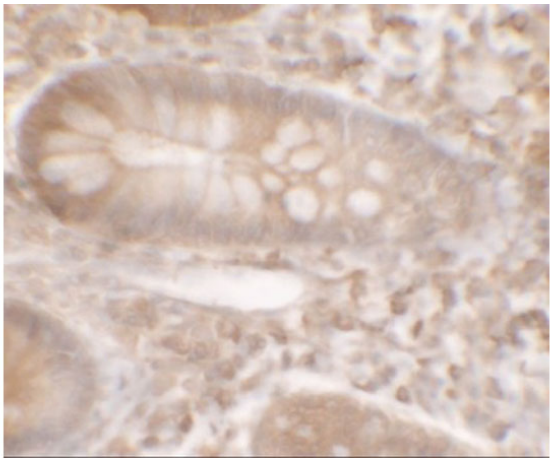
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

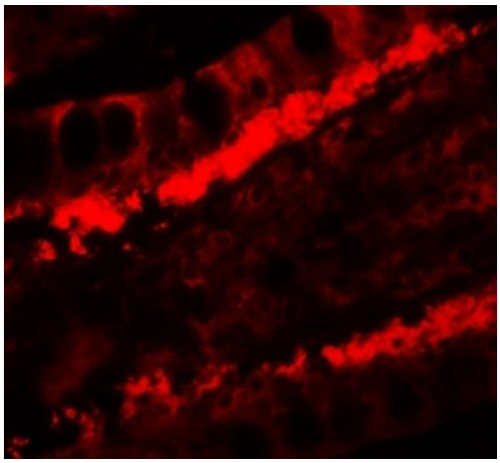
Images



Western Blot
Western blot analysis of KREMEN1.
Load: rat small intestine tissue lysate.
Primary Antibody: KREMEN1 antibody at (A) 0.125 µg/mL and (B) 0.25 µg/mL.



Immunohistochemistry
Immunohistochemistry of KREMEN1.
Tissue: human small intestine tissue.
Primary Antibody: KREMEN1 antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of KREMEN1.
Tissue: human small intestine tissue.
Primary Antibody: KREMEN1 antibody at 20 µg/mL.

Disclaimer

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