

Datasheet for 600-401-AN4**CRIM2 Antibody****Overview**

Description:	Anti-CRIM2 (RABBIT) Antibody - 600-401-AN4
Item No.:	600-401-AN4
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CRIM2, also known as Kielin/chordin-like protein (KCP), is a novel enhancer of BMP signaling. It binds to BMP7, a morphogen that is important for kidney development and part of the kidney's physiological response to repair of acute kidney injury, enhancing its binding to its receptor. Because of this, CRIM2 has been suggested as a potential antifibrotic therapy in acute and chronic kidney injury. CRIM2 can also interact directly with either activin or TGF- β 1, suppressing activin- and TGF- β 1-dependent transcription.
Synonyms:	CRIM2 Antibody, KCP1, CRIM2, NET67, KCP1, Cysteine-rich BMP regulator 2, CRIM-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KCP
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CRIM2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human CRIM2.

Purity/Specificity: Anti-CRIM2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of CRIM2 are known to exist; this antibody will only detect the larger isoform. CRIM2 antibody is predicted to not cross-react with CRIM1.

Relevant Links:

- [UniProtKB - Q6ZMJ8](#)
- [GeneID - 375616](#)
- [NCBI - NP_001129386](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-CRIM2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 160 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 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/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

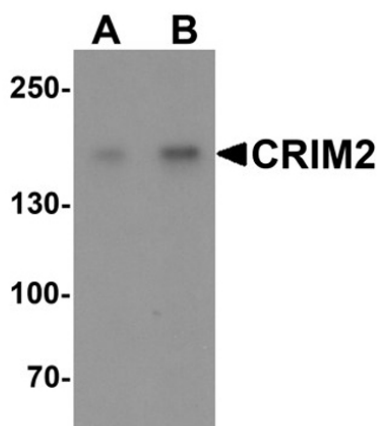
Shipping & Handling

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 CRIM2.

Load: Jurkat cell lysate.

Primary Antibody: CRIM2 antibody at (A) 1 and (B) 2 μ g/mL.

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.