10320 Camino Santa Fe, Suite G
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KREMEN1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7594a

Specification

KREMEN1 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q96MU8
Other Accession	Q90Y90, Q924S4, Q99N43
Reactivity	**Human**
Predicted	**Mouse, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51744**
Antigen Region	**53-82**

KREMEN1 Antibody (N-term) - Additional Information

Gene ID 83999

Other Names
Kremen protein 1, Dickkopf receptor, Kringle domain-containing transmembrane protein 1, Kringle-containing protein marking the eye and the nose, KREMEN1, KREMEN, KRM1

Target/Specificity
This KREMEN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human KREMEN1.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KREMEN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KREMEN1 Antibody (N-term) - Protein Information

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Name KREMEN1

Synonyms KREMEN, KRM1

Function Receptor for Dickkopf proteins. Cooperates with DKK1/2 to inhibit Wnt/beta-catenin signaling by promoting the endocytosis of Wnt receptors LRP5 and LRP6. In the absence of DKK1, potentiates Wnt-beta- catenin signaling by maintaining LRP5 or LRP6 at the cell membrane. Can trigger apoptosis in a Wnt-independent manner and this apoptotic activity is inhibited upon binding of the ligand DKK1. Plays a role in limb development; attenuates Wnt signaling in the developing limb to allow normal limb patterning and can also negatively regulate bone formation. Modulates cell fate decisions in the developing cochlea with an inhibitory role in hair cell fate specification.

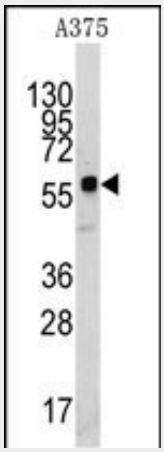
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q99N43}; Single-pass type I membrane protein

KREMEN1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KREMEN1 Antibody (N-term) - Images



Western blot analysis of anti-KREMEN1 Antibody (N-term) (Cat.#AP7594a) in A375 cell line lysates (35ug/lane).KREMEN1(arrow) was detected using the purified Pab.

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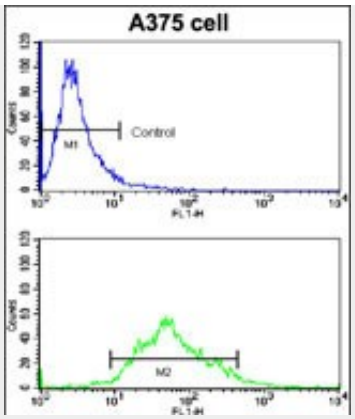

Flow cytometric analysis of A375 cells using KREMEN1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KREMEN1 Antibody (N-term) - Background

KREMEN1 is a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor that functionally cooperates with DKK1 to block wingless (WNT)/beta-catenin signaling. This protein is a component of a membrane complex that modulates canonical WNT signaling through lipoprotein receptor-related protein 6 (LRP6). It contains extracellular kringle, WSC, and CUB domains.

KREMEN1 Antibody (N-term) - References

Mao,B., Nature 417 (6889), 664-667 (2002)
Nakamura,T., Biochim. Biophys. Acta 1518 (1-2), 63-72 (2001)