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KREMEN1 / KREMEN-1 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16750

Specification

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q96MU8
Other Accession	83999
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**51744**

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Additional Information

Gene ID 83999

Other Names
KREMEN1, Dickkopf receptor, KREMEN, Kremen protein 1, KRM1, KREMEM1

Target/Specificity
Three isoforms of KREMEN1 exists as a result of alternative splicing event.

Reconstitution & Storage
PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
KREMEN1 / KREMEN-1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Protein Information

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

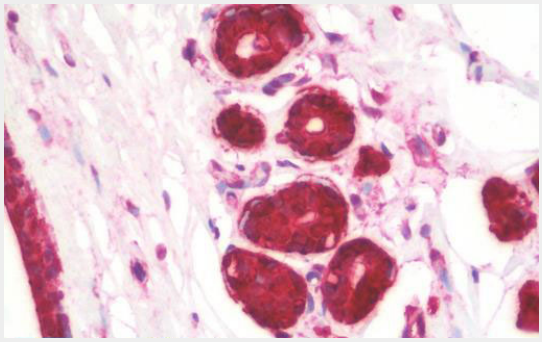
Cell membrane {ECO:0000250|UniProtKB:Q99N43}; Single-pass type I membrane protein

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Protocols

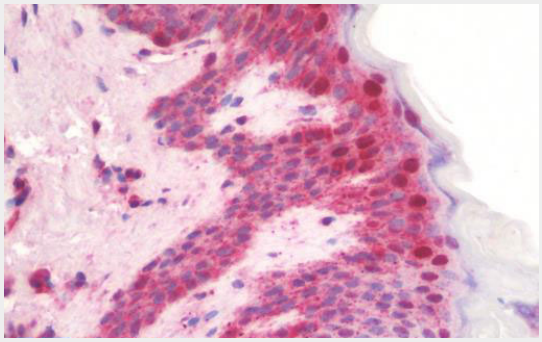
Provided below are standard protocols that you may find useful for product applications.

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

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Images

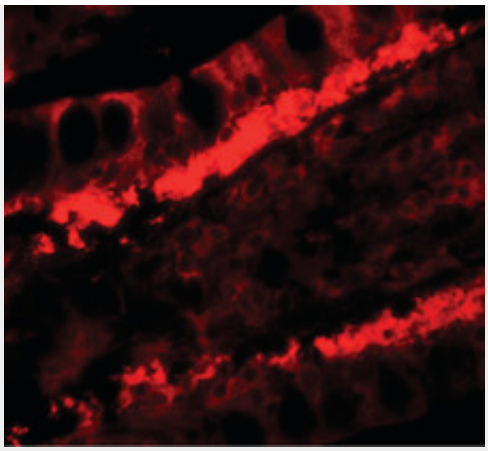


Anti-KREMEN1 / KREMEN-1 antibody IHC staining of human breast.

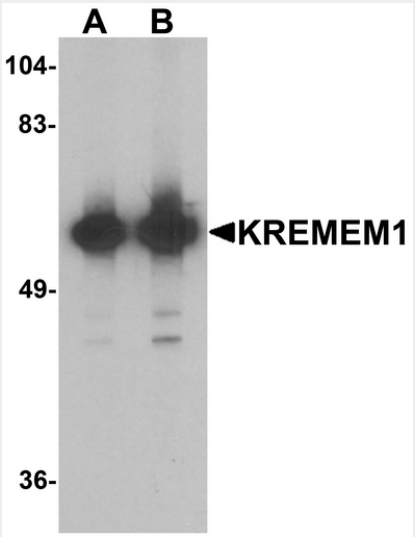


Anti-KREMEN1 / KREMEN-1 antibody IHC staining of human skin.

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Immunofluorescence of KREMEN1 in human small intestine tissue with KREMEN1 antibody at 20 ug/ml.



Western blot analysis of KREMEN1 in rat small intestine tissue lysate with KREMEN1 antibody at...

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - Background

Receptor for Dickkopf protein. Cooperates with Dickkopf to block Wnt/beta-catenin signaling (By similarity).

KREMEN1 / KREMEN-1 Antibody (C-Terminus) - References

Nakamura T.,et al.Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham I.,et al.Nature 402:489-495(1999).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.