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KREMEN2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13054c

Product Information

Application	WB, E
Primary Accession	Q8NCW0
Other Accession	NP_757384.1, NP_078783.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32950
Calculated MW	48849
Antigen Region	248-276

Additional Information

Gene ID	79412
Other Names	Kremen protein 2, Dickkopf receptor 2, Kringle domain-containing transmembrane protein 2, Kringle-containing protein marking the eye and the nose, KREMEN2, KRM2
Target/Specificity	This KREMEN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-276 amino acids from the Central region of human KREMEN2.
Dilution	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 purified through a protein A column, followed by peptide affinity purification.
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	KREMEN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KREMEN2
Synonyms	KRM2

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. 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.
Cellular Location	Membrane; Single-pass type I membrane protein

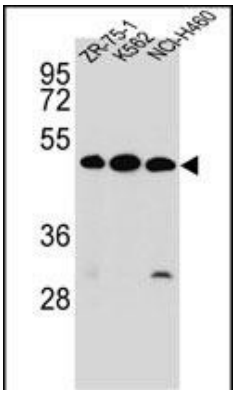
Background

This gene encodes a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor that functionally cooperates with DKK1 to block wingless (WNT)/beta-catenin signaling. The encoded protein forms a ternary membrane complex with DKK1 and the WNT receptor lipoprotein receptor-related protein 6 (LRP6), and induces rapid endocytosis and removal of LRP6 from the plasma membrane. It contains extracellular kringle, WSC, and CUB domains. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene.

References

Mao, B., et al. Nature 417(6889):664-667(2002)

Images



KREMEN2 Antibody (Center) (Cat. #AP13054c) western blot analysis in ZR-75-1,K562,NCI-H460 cell line lysates (35ug/lane).This demonstrates the KREMEN2 antibody detected the KREMEN2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.