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DKK2 Rabbit pAb

Catalog # AP99213

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9UBU2
Other Accession	Q9UBU2
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28447
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DKK2
Epitope Specificity	161-259/259
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the dickkopf family.
SUBUNIT	Interacts with LRP5 and LRP6.
Post-translational modifications	May be proteolytically processed by a furin-like protease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6). [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	27123
Other Names	DKK-2; DKK2_HUMAN; DKK2; Dickkopf-2; hDkk-2; DKK2_MOUSE; mDkk-2; dickkopf Wnt signaling pathway inhibitor 2; dickkopf (Xenopus laevis) homolog 2; dickkopf 2 homolog (Xenopus laevis)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DKK2
Function	Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease (By similarity).
Cellular Location	Secreted.
Tissue Location	Expressed in heart, brain, skeletal muscle and lung

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