



Rabbit Anti-DKK2 antibody

SL13005R

Product Name:	DKK2
Chinese Name:	Wnt通路抑制因子2抗体
Alias:	Dickkopf 2; Dickkopf gene 2; Dickkopf homolog 2; Dickkopf related protein 2; Dickkopf-2; Dickkopf-related protein 2; Dickkopf2; DKK 2; Dkk-2; Dkk2; DKK2 HUMAN; hDkk 2; hDkk-2; hDkk2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DKK2:161-259/259
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The Wnt genes are a group of well conserved, cysteine-rich secreted glycoproteins that are required for numerous develop-mental processes including embryogenesis, asymmetric cell division and central nervous system (CNS) patternins. Wnt association with the seven membrane spanning receptor Frizzled, activates Dishevelled, which downregulates glycogen synthase kinase (GSK) through serine phosphorylation, causing

the accumulation of b-Catenin and subsequent regulation of developmentally significant Wnt target genes. The Dickkopf family of secreted inhibitors of Wnt signaling ensures proper morphological development by antagonizing different stages of the Wnt cascade. Dkk-2 (Dickkopf-2) is a 259-amino acid secreted protein that is composed of an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a 50-55-amino acid linker region.

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.

Subunit:

Interacts with LRP5 and LRP6 (By similarity).

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in heart, brain, skeletal muscle and lung.

Post-translational modifications:

May be proteolytically processed by a furin-like protease.

Similarity:

Belongs to the dickkopf family.

SWISS:

Q9UBU2

Gene ID:

27123

Database links:

[Entrez Gene: 27123](#) Human

[Entrez Gene: 56811](#) Mouse

[Omim: 605415](#) Human

[SwissProt: Q9UBU2](#) Human

[SwissProt: Q9QYZ8](#) Mouse

[SwissProt: Q9DDA4](#) Xenopus laevis

[Unigene: 211869](#) Human

[Unigene: 103593](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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