



Rabbit Anti-DKK4 antibody

SL14338R

Product Name:	DKK4
Chinese Name:	抑制因子DKK4抗体
Alias:	Dickkopf 4; Dickkopf gene 4; Dickkopf homolog 4 (Xenopus laevis); Dickkopf homolog 4; Dickkopf related protein 4; Dickkopf-4; Dickkopf-related protein 4 short form; Dickkopf4; DKK 4; Dkk-4; DKK4; DKK4_HUMAN; hDkk 4; hDkk-4; hDkk4; MGC129562; MGC129563.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=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:	23kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DKK4:151-250/224
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:	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. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by

RefSeq, Jul 2008]

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.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in cerebellum, T-cells, esophagus and lung.

Post-translational modifications:

Appears to be not glycosylated.

Can be proteolytically processed by a furin-like protease.

Similarity:

Belongs to the dickkopf family.

SWISS:

Q9UBT3

Gene ID:

27121

Database links:

[Entrez Gene: 27121](#) Human

[Entrez Gene: 234130](#) Mouse

[Entrez Gene: 502097](#) Rat

[GenBank: NP_055235.1](#) Human

[Omim: 605417](#) Human

[SwissProt: Q9UBT3](#) Human

[SwissProt: Q8VEJ3](#) Mouse

[Unigene: 159311](#) Human

[Unigene: 157322](#) Mouse

Important Note:

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

www.sunlongbiotech.com