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DKK2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10617

Specification

DKK2 Antibody - Product Information

Application	**WB**
Primary Accession	Q9QYZ8
Other Accession	NP_064661.2
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28432**

DKK2 Antibody - Additional Information

Gene ID 56811

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes 30-35 kDa Dkk2 in samples from human, mouse and rat origins. A ~25 kDa band can also be detected, presumably to be the cleavage fragment of Dkk2.**

Other Names
DKK-2, DKK 2, dkk2, dkk-2, dkk 2, dickkopf homolog-2, dickkopf homolog2, dickkopf homolog 2

Target/Specificity
DKK2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
DKK2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DKK2 Antibody - Protein Information

Name Dkk2 {ECO:0000312|MGI:MGI:1890663}

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.

Cellular Location
Secreted.

DKK2 Antibody - 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

DKK2 Antibody - Images

DKK2 Antibody - Background

Xenopus Dickkopf (Dkk)-1 was initially discovered as a Wnt antagonist that plays an important role in head formation. By far, four members of Dkk have been identified in mammals. Each Dkk molecule contains two conserved cysteine-rich domains. Recent studies showed that the second Cys-rich domains of Dkk1 and Dkk2 inhibited Wnt-3a-activated signaling, whereas the first Cys-rich domains had no effects. In addition, the second Cys-rich domain of Dkk-2, but not that of Dkk-1, was able to activate the canonical pathway in the presence of LRP6, and this LRP-dependent signaling does not require Dvl.