

**DKK2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10618****Specification**

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**DKK2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9OYZ8</a>
Other Accession	<a href="#">NP_064661.2</a>
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.
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**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) affinity purified rabbit Dkk2 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 Cytometry](#)
- [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.