

DKK4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10691**Specification**

DKK4 Antibody - Product Information

Application	WB
Primary Accession	Q8VEJ3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24261

DKK4 Antibody - Additional Information**Gene ID** 234130

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects ~40 kDa of Dkk4 in samples from human, mouse and rat origins. Reactivity to other species has not been determined.
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Other Names

DKK-4, DKK 4, dkk4, dkk-4, dkk 4, dickkopf homolog-4, dickkopf homolog4, dickkopf homolog 4

Target/Specificity

DKK4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-Dkk4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% Thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

DKK4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DKK4 Antibody - Protein Information

Name Dkk4

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.

DKK4 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](#)

DKK4 Antibody - Images**DKK4 Antibody - Background**

Xenopus Dickkopf (Dkk) 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 which are separated by a 50-55 amino acid linker region. Dkk4 is a secreted glycoprotein and has three immune-reactive sites at 15-17kDa, 30-32kDa and at 40kDa.