

Dkk2 Polyclonal Antibody

CATALOG #:	3802R-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 241 of mouse Dkk2 (Internal ID# BV-C52)
SPECIES REACTIVITY:	Human, Mouse, Rat

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.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and refreeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

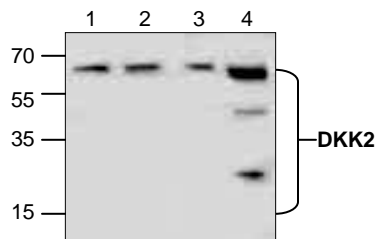
Xenopus Dickkopf (Dkk)-1 was initially discovered as a Wnt antagonist that plays an important role in head formation. By far, four members of Dkk have been identified in mammals. Each Dkk molecule contains two conserved cysteine-rich domains. Recent studies showed that the second Cys-rich domains of 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.

SPECIFICITY:

The antibody recognizes 57 kDa Dkk2 in samples from human, mouse and rat origins. A ~55 kDa and ~28 kDa Dkk2 fragments can also be detected in rat kidney tissue lysate. Reactivity to other species has not been determined.

APPLICATIONS:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3802BP-50) is available separately.



Cat.# 3802R-100
Western blot analysis of Dkk2 in lysate from Jurkat cells (Lane 1,2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies