

## Dkk2 Polyclonal Antibody

**CATALOG #:** 3802A-100

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 241 of mouse Dkk2 (ID# BV-C51)

**SPECIES REACTIVITY:** Human, Mouse, Rat

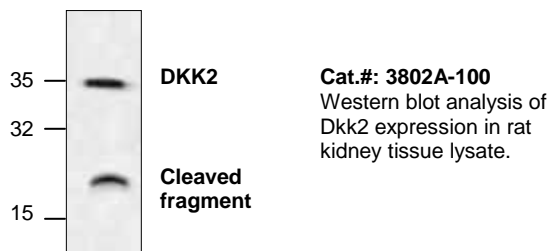
**FORMULATION:**  
100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**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 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.

**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.



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