

Dkk2 Monoclonal Antibody

CATALOG #:	3802-100
LOT #:	_____
ISOTYPE:	Mouse IgG1
CLONE:	2A2
IMMUNOGEN:	<i>E. coli</i> expressed recombinant human Dkk2.
SPECIES REACTIVITY:	human, mouse

FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified mouse monoclonal antibody in 10 mM Tris-glycine (pH 7.0), 0.15 M NaCl, 25% glycerol, 0.5% BSA, and 0.01% sodium azide.

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:

Detects 30-35 kDa Dkk2 of human and mouse origins. The antibody does not react with Dkk1.

APPLICATIONS:

Western blot analysis (1-4 µg/ml) and immunofluorescence (5-20 µg/ml). However, the optimal conditions should be determined individually.

USAGE: For Research Use Only. Not to be used in humans.

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- Nuclear Apoptosis Kits & Reagents
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