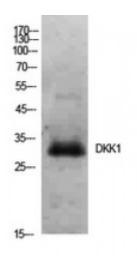


Anti-Dkk-1 antibody



Description Rabbit polyclonal to Dkk-1.

Model STJ97257

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human Dkk-1.

Immunogen Region C-terminal

Gene ID 22943

Gene Symbol <u>DKK1</u>

Dilution range WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:10000

Specificity Dkk-1 Polyclonal Antibody detects endogenous levels of Dkk-1 protein.

Tissue Specificity Placenta.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Dickkopf-related protein 1 Dickkopf-1 Dkk-1 hDkk-1 SK

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:2891OMIM:605189</u>

Alternative Names Dickkopf-related protein 1 Dickkopf-1 Dkk-1 hDkk-1 SK

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 . Inhibits the proapoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-

apoptotic activity.

Sequence and Domain Family The C-terminal cysteine-rich domain mediates interaction with LRP5 and

LRP6.

Cellular Localization Secreted.

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