

Rabbit anti-Human, Mouse DKK1 Polyclonal Antibody | anti-DKK1 antibody

Phospho-DKK1 (Ser140) Antibody

CATALOG # AAA329401	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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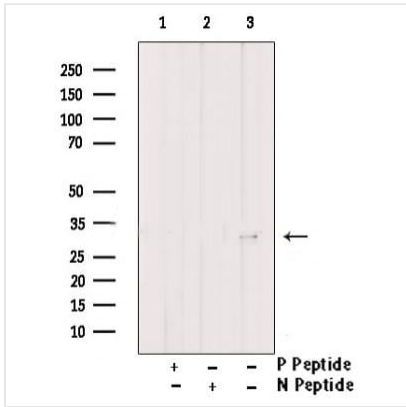
PRODUCT SYNONYMS

DKK1; Polyclonal Antibody; Phospho-DKK1 (Ser140) Antibody; Dickkopf 1; Dickkopf 1 homolog; Dickkopf 1 like; Dickkopf homolog 1; Dickkopf like protein 1; Dickkopf related protein 1; Dickkopf WNT signaling pathway inhibitor 1; Dickkopf-1; Dickkopf-related protein 1; DKK 1; Dkk-1; Dkk1; DKK1_HUMAN; hDkk 1; hDkk-1; SK; anti-DKK1 antibody

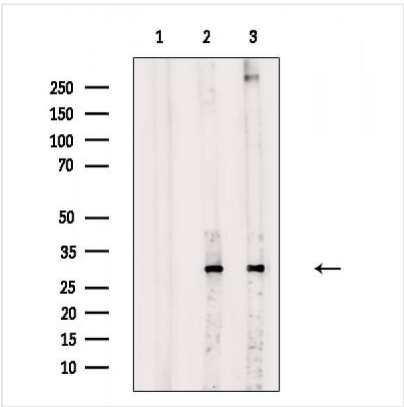
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-DKK1 (Ser140) Antibody detects endogenous levels of DKK1 only when phosphorylated at Ser140. Tissue Specificity: Placenta.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DKK1 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DKK1 around the phosphorylation site of Ser140.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with LRP6. Interacts (via the C-terminal Cys-rich domain) with LRP5 (via beta-propeller regions 3 and 4); the interaction, enhanced by MESD and or KREMEN, antagonizes Wnt-mediated signaling. Forms a ternary complex with LRP6 and KREM1. Interacts with KREM1.
Similarity	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6. Belongs to the dickkopf family.
Subcellular Location	Secreted.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from PC-3 cells, using Phospho-DKK1(Ser140) Antibody. Lane 1 was treated with phospho-blocking peptide, Lane 2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-DKK1(Ser140) Antibody. Lane 1: Mouse lung, blocked with antigen-specific peptides, Lane 2: Mouse lung, Lane 3: RAW264.7 cells (LPS 4h treatment).

ADDITIONAL INFORMATION

Related Product Information for anti-DKK1 antibody	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 pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7110719
NCBI GeneID	22943
NCBI Accession #	NP_036374.1
NCBI GenBank Nucleotide #	NM_012242.2
UniProt Accession #	O94907; B2RC19
Molecular Weight	28,672 Da
NCBI Official Full Name	dickkopf-related protein 1
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 1
NCBI Official Symbol	DKK1
NCBI Official Synonym Symbols	SK; DKK-1
NCBI Protein Information	dickkopf-related protein 1; hDkk-1; dickkopf-1 like; dickkopf 1 homolog; dickkopf-like protein 1; dickkopf related protein-1
UniProt Protein Name	Dickkopf-related protein 1
UniProt Gene Name	DKK1
UniProt Synonym Gene Names	Dickkopf-1; Dkk-1; hDkk-1
UniProt Entry Name	DKK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

