

Rabbit anti-Human DKK4 Polyclonal Antibody | anti-DKK4 antibody

DKK4 Antibody (C-term)

CATALOG # AAA288161	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

DKK4; Polyclonal Antibody; DKK4 Antibody (C-term); Dickkopf-related protein 4; Dickkopf-4; Dkk-4; hDkk-4; Dickkopf-related protein 4 short form; anti-DKK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DKK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-217 amino acids from the C-terminal region of human DKK4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	188-217
Sequence Length	224
Applicable Applications for anti-DKK4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-DKK4 C-term Pab is used in Western blot to detect DKK4 in A375 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-DKK4 antibody	DKK4, like DKK1, DKK2, and DKK3, possesses an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a linker region and contain 10 cysteine residues each. The second cysteine region has a putative lipid-binding function that may facilitate WNT/DKK interactions at the plasma membrane. The linker region contains 50 to 55 amino acids in DKK1, DKK2, and DKK4, whereas in DKK3 it contains only 12 amino acids. All DKKs have several potential sites for cleavage by furin-type proteases. Northern blot analysis detected no expression of DKK4, but RT-PCR analysis detected DKK4 expression in cerebellum, T-cell, esophagus, and lung cDNA libraries. DKK4 blocks Xenopus Wnt8, Wnt3a, and Wnt2b, but not Dsh or Fz8, induction of a secondary axis in frog embryos, indicating that DKKs antagonize WNT function upstream of WNT receptors.
Product Categories/Family for anti-DKK4 antibody	Signal Transduction
References	Krupnik, V.E., et al., Gene 238(2):301-313 (1999). Yoshida, S., et al., Cytogenet. Cell Genet. 94 (1-2), 88-89 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657025
NCBI GeneID	27121
NCBI Accession #	NP_055235.1
NCBI GenBank Nucleotide #	NM_014420.2
UniProt Accession #	Q9UBT3; Q3KNX0; Q9Y4C3
Molecular Weight	24876
NCBI Official Full Name	dickkopf-related protein 4
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 4
NCBI Official Symbol	DKK4
NCBI Official Synonym Symbols	DKK-4
NCBI Protein Information	dickkopf-related protein 4
UniProt Protein Name	Dickkopf-related protein 4
UniProt Gene Name	DKK4
UniProt Synonym Gene Names	Dickkopf-4; Dkk-4; hDkk-4
UniProt Entry Name	DKK4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dkk4-antibody-western-blot-immunohistochemistry-elisa/288161>