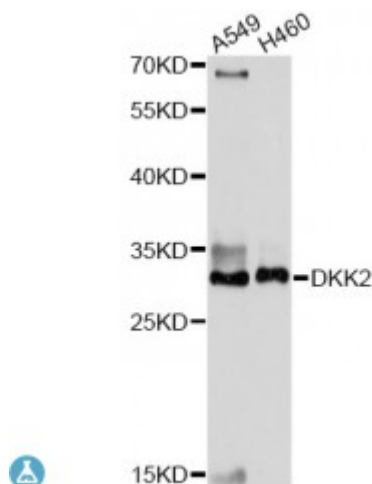


Anti-DKK2 Antibody



Description

This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6).

Model	STJ117074
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of human DKK2 (NP_055236.1).
Gene ID	27123
Gene Symbol	DKK2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in heart, brain, skeletal muscle and lung
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Dickkopf-related protein 2 Dickkopf-2 Dkk-2 hDkk-2
Molecular Weight	28.447 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2892OMIM:605415Reactome:R-HSA-201681
Alternative Names	Dickkopf-related protein 2 Dickkopf-2 Dkk-2 hDkk-2
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 ,
Cellular Localization	Secreted
Post-translational Modifications	May be proteolytically processed by a furin-like protease

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