

Datasheet for ABIN5538399
anti-DKK2 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	DKK2
Binding Specificity:	AA 31-62, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DKK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DKK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-62 amino acids from the N-terminal region of human DKK2.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	DKK2
Alternative Name:	DKK2 (DKK2 Products)
Background:	The 259-amino acid DKK2 protein, like DKK1, DKK3, and DKK4, possesses an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a linker region and

Target Details

contain 10 cys residues each. The second cys 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 DKCs have several potential sites for cleavage by furin-type proteases. Northern blot analysis revealed expression of 4.0- and 4.5-kb DKK2 transcripts in heart, brain, skeletal muscle, and lung. Western blot analysis showed that DKK2 is secreted as a 15- to 17-kD protein. Functional analysis determined that DKK2 does not block *Xenopus* Wnt8 induction of a secondary axis in frog embryos.

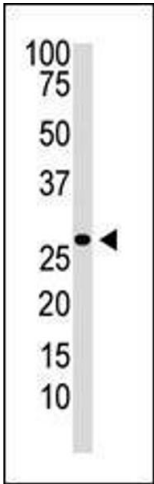
Molecular Weight:	28 kDa
Gene ID:	27123
UniProt:	Q9UBU2
Pathways:	WNT Signaling

Application Details

Application Notes:	For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100
Restrictions:	For Research Use only

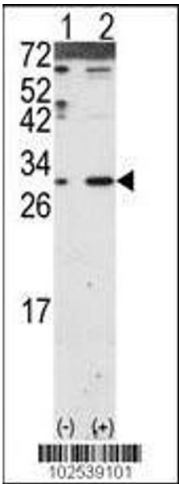
Handling

Format:	Liquid
Concentration:	2 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



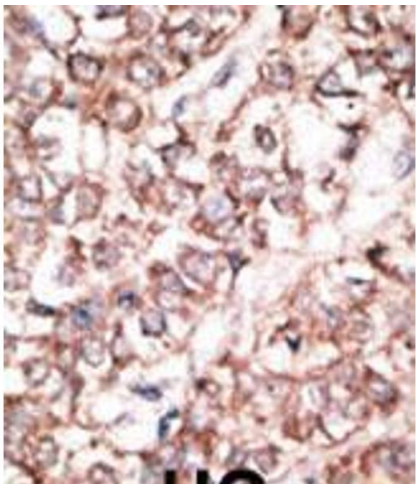
Western Blotting

Image 1. Antibody is used in Western blot to detect DKK2 in Jurkat cell lysate.



Western Blotting

Image 2. Western blot analysis of DKK2 using DKK2 Antibody using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DKK2 gene (Lane 2).



Immunohistochemistry

Image 3. 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. BC = breast carcinoma; HC = hepatocarcinoma.