Datasheet for ABIN3030725

anti-DKK1 antibody

3 Images

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Overview

Quantity:	0.4 mL
Target:	DKK1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DKK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This DKK1 antibody was produced from a rabbit immunized with a recombinant protein of human DKK1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	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,

Target Details

	somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease. [UniProt]
UniProt:	O94907
Pathways:	WNT Signaling, Regulation of Muscle Cell Differentiation, Positive Regulation of fat Cell Differentiation

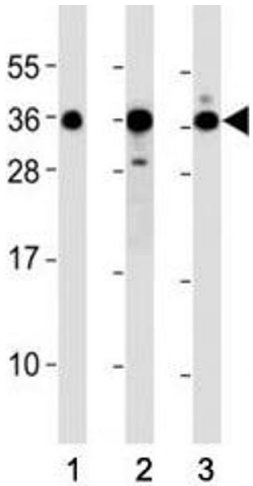
Application Details

Application Notes:	Titration of the DKK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000-1:4000
Restrictions:	For Research Use only

Handling

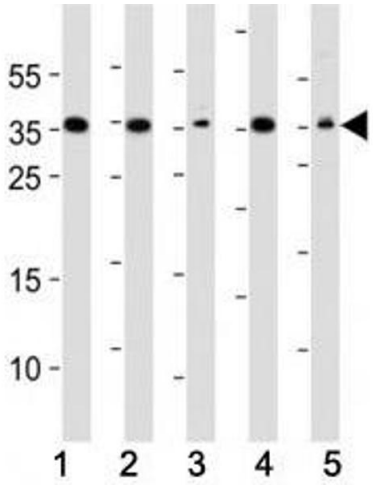
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the DKK1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



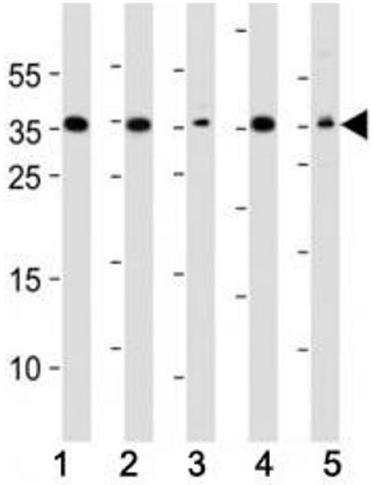
Western Blotting

Image 1. Western blot testing of DKK1 antibody at 1:2000 dilution. Lane 1: A549; 2: Jurkat; 3: NIH3T3 lysate; Predicted molecular weight: 26-40 kDa depending on glycosylation level.



Western Blotting

Image 2. Western blot analysis of lysate from (1) A549, (2) HeLa, (3) HepG2, (4) Jurkat, (5) mouse NIH3T3 cell line using DKK1 antibody. Predicted molecular weight: 26-40 kDa depending on glycosylation level.



Western Blotting

Image 3. Western blot analysis of lysate from (1) A549, (2) HeLa, (3) HepG2, (4) Jurkat, (5) mouse NIH3T3 cell line using DKK1 antibody. Predicted molecular weight: 26-40 kDa depending on glycosylation level.