10320 Camino Santa Fe, Suite G
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DKK2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8643b

Specification

DKK2 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q9UBU2
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG1,k**
Calculated MW	**28447**

DKK2 Antibody - Additional Information

Gene ID 27123

Other Names
Dickkopf-related protein 2, Dickkopf-2, Dkk-2, hDkk-2, DKK2

Target/Specificity
This DKK2 antibody is generated from a mouse immunized with a recombinant protein of human DKK2.

Dilution
WB~~1:2000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DKK2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DKK2 Antibody - Protein Information

Name DKK2

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 (By similarity).

Cellular Location
Secreted.

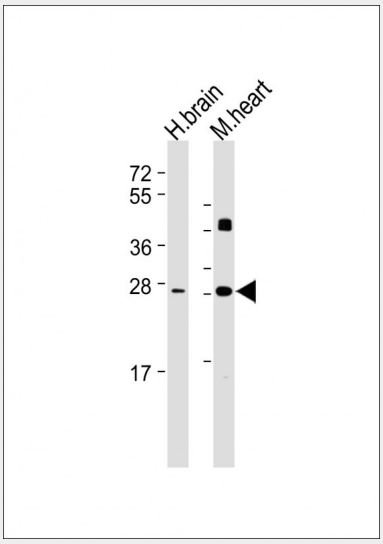
Tissue Location
Expressed in heart, brain, skeletal muscle and lung

DKK2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DKK2 Antibody - Images



All lanes : Anti-DKK2 Antibody at 1:2000 dilution Lane 1: Human brain lysate Lane 2: Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DKK2 Antibody - 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, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease (By similarity).

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Krupnik V.E.,et al.Gene 238:301-313(1999).
Tanaka S.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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