

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

E~~Use at an assay dependent concentration.

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.

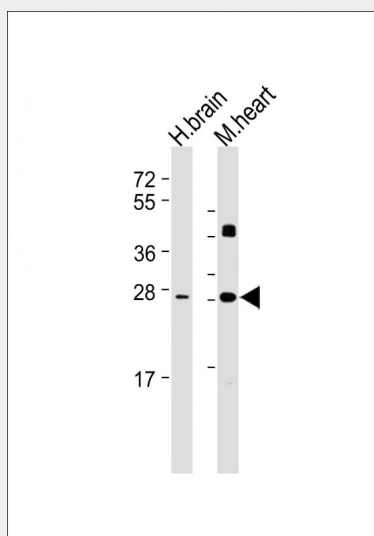
Tissue Location

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 Cytometry](#)
- [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).

DKK2 Antibody - References

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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