

DKK3 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1783a**Specification****DKK3 Antibody - Product Information**

Application	WB, IHC, FC, E
Primary Accession	Q9UBP4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	38.3kDa KDa

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. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding the same protein.

Immunogen

Purified recombinant fragment of human DKK3 (AA: 91-350) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

DKK3 Antibody - Additional Information

Gene ID 27122

Other Names

Dickkopf-related protein 3, Dickkopf-3, Dkk-3, hDkk-3, DKK3, REIC

Dilution

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

FC~~1:10~50

E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DKK3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DKK3 Antibody - Protein Information

Name DKK3

Synonyms REIC

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.

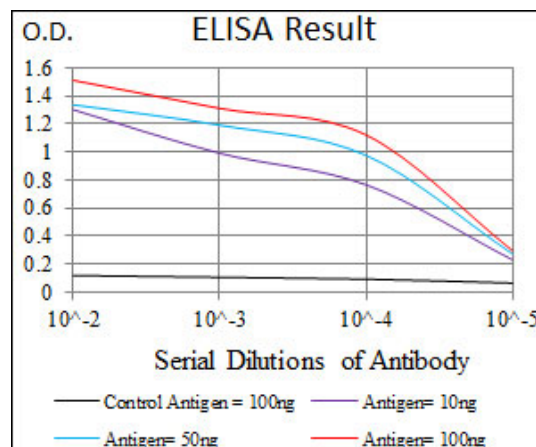
Tissue Location

Highest expression in heart, brain, and spinal cord. {ECO:0000269|PubMed:10570958, ECO:0000269|Ref.4}

DKK3 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](#)



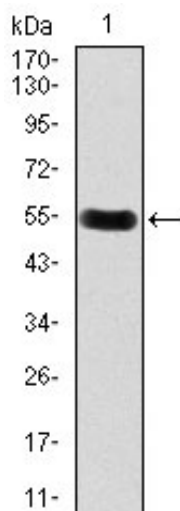


Figure 1: Western blot analysis using DKK3 mAb against human DKK3 recombinant protein. (Expected MW is 54.4 kDa)

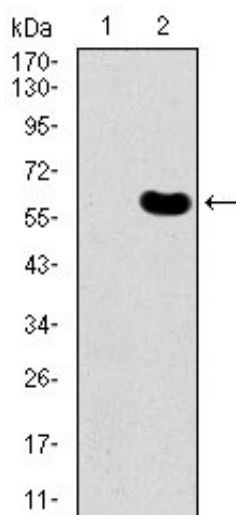


Figure 2: Western blot analysis using DKK3 mAb against HEK293 (1) and DKK3 (AA: 91-350)-hIgGFc transfected HEK293 (2) cell lysate.

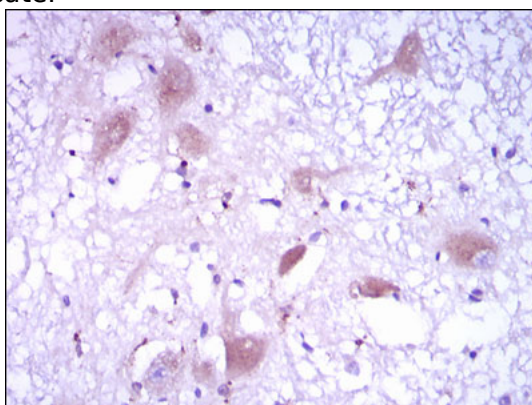


Figure 4: Immunohistochemical analysis of paraffin-embedded brain tissues using DKK3 mouse mAb with DAB staining.

DKK3 Antibody - References

1.Exp Dermatol. 2011 Mar;20(3):273-7. 2.Thromb Haemost. 2011 Jan;105(1):72-80.

