

Mouse Anti-DKK2 antibody

SLM-51690M

Product Name	DKK2
Chinese Name	DKK2 单克隆抗体
Alias	Dickkopf 2; Dickkopf gene 2; Dickkopf homolog 2; Dickkopf related protein 2; Dickkopf-2; Dickkopf-related protein 2; Dickkopf2; DKK 2; Dkk-2; DKK2_HUMAN; hDkk 2; hDkk-2; hDkk2.
Research Area	Stem cells
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	J3F5
React Species	Human, (predicted: Mouse,) WB=1:500-1000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	25kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human DKK2.
Lsotype	IgG1,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6). [provided by RefSeq, Jul 2008]

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.

Subunit:

Interacts with LRP5 and LRP6.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in heart, brain, skeletal muscle and lung.

Post-translational modifications:

May be proteolytically processed by a furin-like protease.

Similarity:

Belongs to the dickkopf family.

SWISS:

Q9UBU2

Gene ID:

27123

Database links:

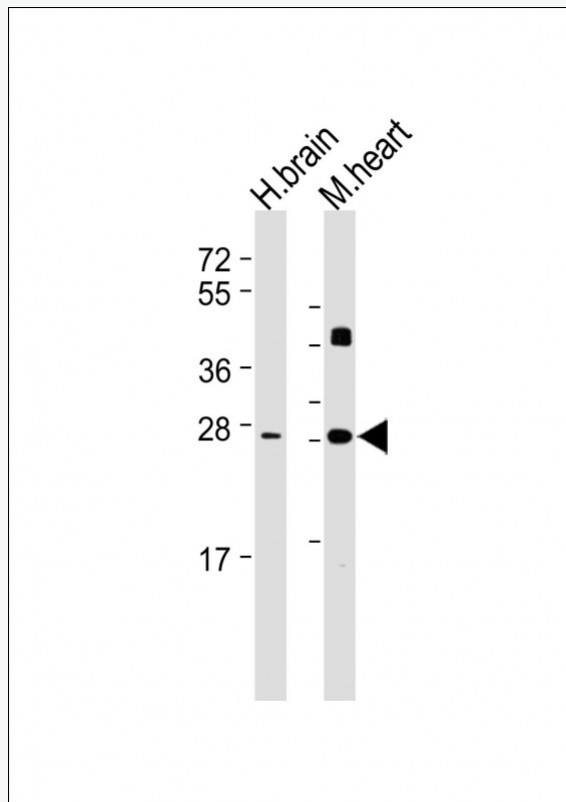
[Entrez Gene: 27123](#) Human

[Entrez Gene: 56811](#) Mouse

[SwissProt: Q9UBU2](#) Human

[SwissProt: Q9QYZ8](#) Mouse

Product Picture



Sample:

Lane 1: Human brain tissue lysates

Lane 2: Mouse Heart tissue lysates

Primary: Anti-DKK2 (SLM-51690M) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 25 kD

Observed band size: 26 kD



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