

DKK4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11649b**Specification**

DKK4 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9UBT3
Other Accession	Q8VEJ3 , NP_055235.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24876
Antigen Region	162-189

DKK4 Antibody (C-term) - Additional Information**Gene ID** 27121**Other Names**

Dickkopf-related protein 4, Dickkopf-4, Dkk-4, hDkk-4, Dickkopf-related protein 4 short form, DKK4

Target/Specificity

This DKK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-189 amino acids from the C-terminal region of human DKK4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

DKK4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DKK4 Antibody (C-term) - Protein Information**Name** DKK4

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.

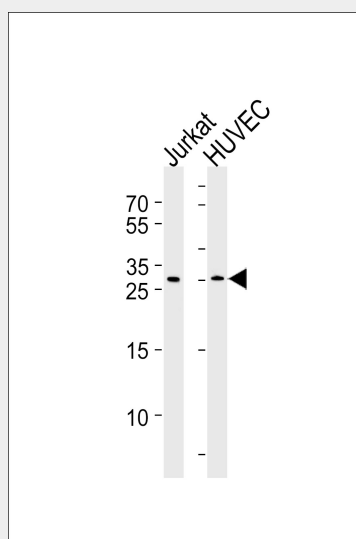
Tissue Location

Expressed in cerebellum, T-cells, esophagus and lung

DKK4 Antibody (C-term) - 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](#)

DKK4 Antibody (C-term) - Images

Western blot analysis of lysates from Jurkat, HUVEC cell line (from left to right), using DKK4 Antibody (C-term)(Cat. #AP11649b). AP11649b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

DKK4 Antibody (C-term) - Background

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. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2.

DKK4 Antibody (C-term) - References

Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Hirata, H., et al. Cancer 115(19):4488-4503(2009)
Matsui, A., et al. Cancer Sci. 100(10):1923-1930(2009)
Baehs, S., et al. Cancer Lett. 276(2):152-159(2009)

DKK4 Antibody (C-term) - Citations

- [Colorectal cancer cells secreting DKK4 transform fibroblasts to promote tumour metastasis](#)