

**Goat Anti-DKK4 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1326a****Specification**

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**Goat Anti-DKK4 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9UBT3</a>
Other Accession	<a href="#">NP_055235</a> , <a href="#">27121</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	24876

**Goat Anti-DKK4 Antibody - Additional Information****Gene ID** 27121**Other Names**

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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**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**

Goat Anti-DKK4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-DKK4 Antibody - 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

**Goat Anti-DKK4 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](#)

**Goat Anti-DKK4 Antibody - Images**

AF1326a staining (1 µg/ml) of Jurkat lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

**Goat Anti-DKK4 Antibody - 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.

**Goat Anti-DKK4 Antibody - References**

Association between genetic variants in VEGF, ERCC3 and occupational benzene haematotoxicity. Hosgood HD 3rd, et al. Occup Environ Med, 2009 Dec. PMID 19773279.

DICKKOPF-4 and -2 genes are upregulated in human colorectal cancer. Matsui A, et al. Cancer Sci, 2009 Oct. PMID 19659606.

Wnt antagonist gene polymorphisms and renal cancer. Hirata H, et al. Cancer, 2009 Oct 1. PMID 19562778.

High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.

Dickkopf-4 is frequently down-regulated and inhibits growth of colorectal cancer cells. Baehs S, et al. Cancer Lett, 2009 Apr 18. PMID 19059704.