

**Goat Anti-DKK2 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1324a

### Specification

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#### Goat Anti-DKK2 Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">O9UBU2</a>
Other Accession	<a href="#">NP_055236</a> , <a href="#">27123</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat, Dog</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>100ug/200ul</b>
Isotype	<b>IgG</b>
Calculated MW	<b>28447</b>

#### Goat Anti-DKK2 Antibody - Additional Information

**Gene ID** 27123

#### Other Names

Dickkopf-related protein 2, Dickkopf-2, Dkk-2, hDkk-2, DKK2

#### 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-DKK2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-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

### Goat Anti-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](#)

### Goat Anti-DKK2 Antibody - Images



AF1324a (2 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-DKK2 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. 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).

### Goat Anti-DKK2 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.  
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