

**Goat Anti-DKK3 / REIC Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1325a****Specification**

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**Goat Anti-DKK3 / REIC Antibody - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q9UBP4</a>
Other Accession	<a href="#">NP_001018067</a> , <a href="#">27122</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	38390

**Goat Anti-DKK3 / REIC Antibody - Additional Information****Gene ID** 27122**Other Names**

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

**Dilution**

WB~~1:1000

IHC~~1:100~500

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

**Goat Anti-DKK3 / REIC 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}

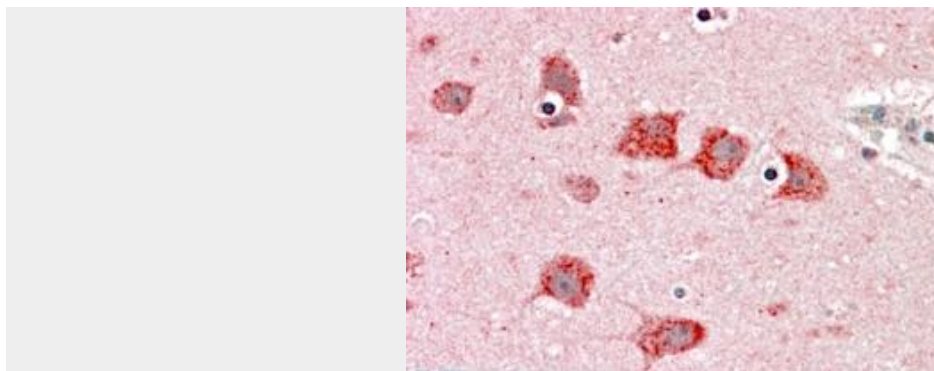
**Goat Anti-DKK3 / REIC Antibody - Protocols**

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-DKK3 / REIC Antibody - Images**

AF1325a staining (2 µg/ml) of HEK293 lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.



AF1325a (5 µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **Goat Anti-DKK3 / REIC 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. 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.

#### **Goat Anti-DKK3 / REIC Antibody - References**

[Expression of Dickkopf-3 in esophageal squamous cell carcinoma] Zhang Y, et al. Zhonghua Nei Ke Za Zhi, 2010 Apr. PMID 20627041.

Genetic variation of DKK3 may modify renal disease severity in ADPKD. Liu M, et al. J Am Soc Nephrol, 2010 Sep. PMID 20616171.

Knockdown of the Dickkopf 3 gene induces apoptosis in a lung adenocarcinoma. Jung IL, et al. Int J Mol Med, 2010 Jul. PMID 20514419.

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

Hedgehog signaling maintains hair follicle stem cell phenotype in young and aged human skin. Ritti L, et al. Aging Cell, 2009 Dec. PMID 20050020.