

**DKK1 Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10603****Specification**

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**DKK1 Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	<a href="#">O94907</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa
Dilution	IHC-P~~N/A

**DKK1 Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 22943**Other Names**

Dickkopf-related protein 1, Dickkopf-1, Dkk-1, hDkk-1, SK, DKK1

**Target/Specificity**

Human DKK1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

DKK1 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**DKK1 Antibody (Cytoplasmic Domain) - Protein Information****Name** DKK1**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 (PubMed:<a href="http://www.uniprot.org/citations/22000856" target="\_blank">22000856</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/17143291" target="\_blank">17143291</a>). Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity (By similarity).

**Cellular Location**

Secreted.

**Tissue Location**

Placenta.

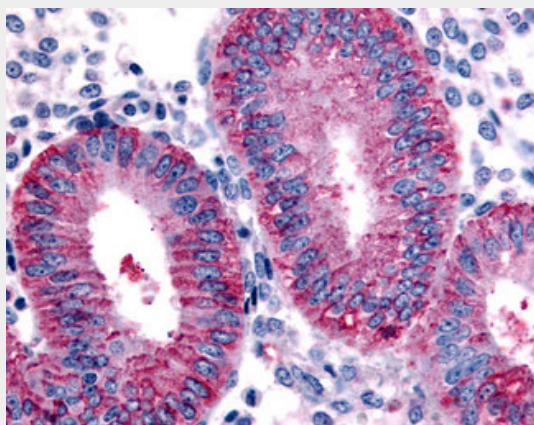
**Volume**

50 µl

**DKK1 Antibody (Cytoplasmic Domain) - 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](#)

**DKK1 Antibody (Cytoplasmic Domain) - Images**

Anti-DKK1 antibody ALS10603 IHC of human uterus, endometrium.

**DKK1 Antibody (Cytoplasmic Domain) - Background**

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.

**DKK1 Antibody (Cytoplasmic Domain) - References**

Fedi P., et al. J. Biol. Chem. 274:19465-19472(1999).  
Krupnik V.E., et al. Gene 238:301-313(1999).  
Tate G., et al. Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.  
Roessler E., et al. Cytogenet. Cell Genet. 89:220-224(2000).  
Clark H.F., et al. Genome Res. 13:2265-2270(2003).

