

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

Specification

DKK1 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	O94907
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

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:22000856). 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:17143291). Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity (By similarity).

Cellular Location

Secreted.

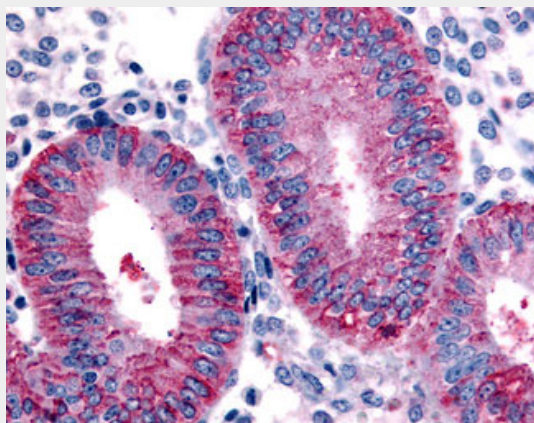
Tissue Location

Placenta.

Volume50 μ l**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).