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

Specification

DKK1 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P**
Primary Accession	O94907
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: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.

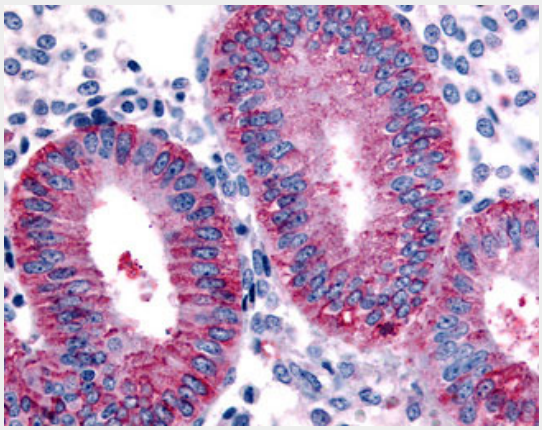
Volume
50 µl

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 Cytomety
- 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

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Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

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