

**DKK1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9599a****Specification**

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**DKK1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O94907](#)**DKK1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22943**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**DKK1 Antibody (N-term) Blocking Peptide - 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.

## **DKK1 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **DKK1 Antibody (N-term) Blocking Peptide - Images**

## **DKK1 Antibody (N-term) Blocking Peptide - Background**

DKK1 is a protein that is a member of the dickkopf family. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of the WNT signaling pathway. Elevated levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma.

## **DKK1 Antibody (N-term) Blocking Peptide - References**

Piters, E., et al. Calcif. Tissue Int. 86(4):271-281(2010) Bourhis, E., et al. J. Biol. Chem. 285(12):9172-9179(2010)