

Summary

Production Name	DKK1 (7G7) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	DKK1
Alternative Names	SK; DKK-1; Dickkopf-related protein 1; Dickkopf-1; hDkk-1; Dickkopf homolog 1;
Gene ID	22943.0
SwissProt ID	O94907.

Application

Dilution Ratio	WB 1:1000-1:2000
Molecular Weight	29kDa

Background

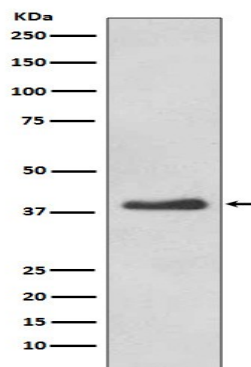
Product Name: DKK1 (7G7) Rabbit Monoclonal Antibody
Catalog #: AMRe10002



DKK1: dickkopf homolog 1 (*Xenopus laevis*), also known as SK. Entrez Protein NP_036374. DKK1 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. 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17143291)). Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity (By similarity).

Research Area

Image Data



Western blot analysis of DKK1 expression in HeLa cell lysate.

Note

For research use only.