

Anti-DKK1 Antibody (4P933)

Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4P933
Purification:	Affinity-chromatography

Applications

Verified Activity:	The Binding Activity of Human DKK1 with Anti-DKK1 Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human DKK1 at 2 µg/mL can bind Anti-DKK1 recombinant antibody, the EC50 is 1.283-2.544 ng/mL.
Application:	ELISA

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human DKK1 Protein
Antigen Species:	Human
Gene ID:	22943
Uniprot ID:	O94907
Synonyms:	hDkk-1;hDkk1;SK;Dickkopf-related 1;Dkk1;Dkk-1;Dickkopf-1
Biology Area:	Cardiovascular, Developmental biology, Immunology, Stem cells

Research 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. Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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