



Human Dickkopf 3, DKK3 ELISA Kit

Product Code	CSB-E13607h
Abbreviation	DKK3
Protein Biological Process 1	Signaling Pathway
Target Name	dickkopf homolog 3 (Xenopus laevis)
Uniprot No.	Q9UBP4
Alias	REIC, RIG, RIG-like 5-6 RIG-like 7-1 dickkopf 3 dickkopf homolog 3 regulated in glioma
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.2 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Stem Cells
Gene Names	DKK3
Tag Info	quantitative
Protein Description	Sandwich

Description

This human DKK3 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human DKK3 in serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the DKK3 levels in the sample and is measured at 450 nm through a microplate reader.

DKK3 is a secreted glycoprotein that acts as a regulator of Wnt signaling in organogenesis and carcinogenesis. DKK3 behaves as an oncosuppressor protein by inducing apoptotic death in a variety of cancers, although it might favor cancer cell spreading by promoting angiogenesis. In addition to functioning in tumorigenesis, DKK3 also plays a role in tumor neovascularization, prostatic



acinus formation, cardiac vascular remodeling, renal and cardiac fibrosis, and immunological activity. DKK3 also modulates basic cellular processes, such as cell proliferation, differentiation, and apoptotic death.

Target Details

This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding the same protein.

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