

[Go to Product page](#)

Datasheet for ABIN6719891 DKK3 ELISA Kit

Overview

Quantity:	1 kit
Target:	DKK3
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: AW061014, C87148, Dickkopf (Xenopus laevis) homolog 3, Dickkopf 3, Dickkopf homolog 3 (Xenopus laevis), Dickkopf related protein 3, HDkk 3, Regulated in glioma, REIC, RIG, RIG like 5 6, RIG like 7 1</p> <p>Background: Dickkopf-related protein 3 is a protein that in humans is encoded by the DKK3 gene. This gene encodes a protein that is a member of the dickkopf family. It is mapped to 11p15.3. 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</p>

Product Details

gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Members of the Dkk-related family display unique patterns of mRNA expression in human and mouse tissues, and are secreted when expressed in 293T cells. 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.

Gene Name: DKK3

Production: Natural and recombinant human DKK-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A22-I350

Target Details

Target: DKK3

Alternative Name: DKK-3 ([DKK3 Products](#))

Gene ID: 27122

NCBI Accession: [NP_001018067](#)

UniProt: [Q9UBP4](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human DKK-3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human DKK-3 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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