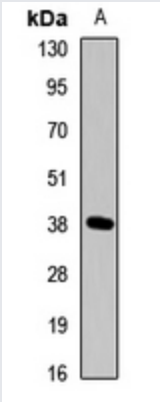
DKK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DKK3, Polyclonal Antibody
Full Product Name	Rabbit anti-DKK3 Antibody
Product Gene Name	anti-DKK3 antibody
Product Synonym Names	REIC; Dickkopf-related protein 3; Dickkopf-3; Dkk-3; hDkk-3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	38,390 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (11984543..12030917, complement). Location: 11p15.2
OMIM	605416
3D Structure	ModBase 3D Structure for Q9UBP4
Immunogen	Recombinant full length protein of human DKK3
Product Categories/Family for anti-DKK3 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-DKK3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DKK3 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-DKK3 antibody	MBS4510526 is an antibody targeting DKK3. Also known as Rabbit anti-DKK3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-DKK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-DKK3 antibody
Western blot analysis of DKK3 expression in mouse brain (A) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DKK3. It may not necessarily be applicable to this product.

NCBI GI #	66346689
NCBI GeneID	27122
NCBI Accession #	NP_001018067.1
UniProt Primary Accession #	Q9UBP4
UniProt Secondary Accession #	Q9QUN9
UniProt Related Accession #	Q9UBP4
GenBank Nucleotide #	NM_001018057.1
NCBI Official Full Name	dickkopf-related protein 3
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 3
NCBI Official Symbol	DKK3
NCBI Official Synonym Symbols	RIG; REIC
UniProt Protein Name	Dickkopf-related protein 3
Protein Family	Dickkopf-related protein
UniProt Gene Name	DKK3
UniProt Synonym Gene Names	REIC; Dickkopf-3; Dkk-3; hDkk-3
UniProt Entry Name	DKK3_HUMAN
NCBI Protein Information	dickkopf-related protein 3; dkk-3; hDkk-3; dickkopf-3; RIG-like 5-6; RIG-like 7-1; dickkopf 3 homolog; dickkopf homolog 3; regulated in glioma
NCBI Summary for DKK3	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. [provided by RefSeq, Jul 2008]

UniProt Comments for DKK3	DKK3: 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. Belongs to the dickkopf family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 11p15.2 Cellular Component: extracellular space Biological Process: anatomical structure morphogenesis; Wnt receptor signaling pathway; adrenal gland development; negative regulation of aldosterone biosynthetic process; negative regulation of transcription, DNA-dependent
Research Articles on DKK3	**1.** Decreased DKK3 expression was associated with advanced International Federation of Gynecology and Obstetrics clinical stages and was predictive of lower disease-free survival in patients with cervical squamous cell carcinoma.
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