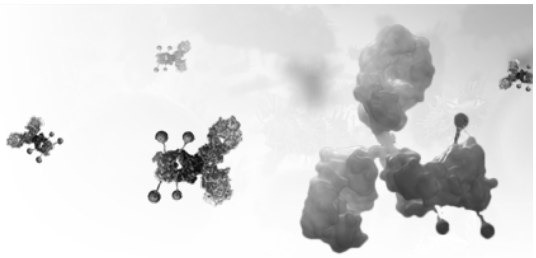

Rabbit Anti-DKK1 monoclonal antibody, clone TD17-97 (CABT-L705)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	DKK1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Clone	TD17-97
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	38 kDa
Cellular Localization	Secreted.
Positive Control	NCCIT, MCF-7, Hela, HepG2, human uterus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The Wnt genes are a group of well conserved, cysteine-rich secreted glycoproteins that are required for numerous developmental processes including embryogenesis, asymmetric cell division and central nervous system (CNS) patterning. Wnt association with the seven membrane spanning receptor frizzled activates dishevelled, which downregulates glycogen synthase kinase (GSK) through serine phosphorylation, causing the accumulation of b-catenin and subsequent regulation of developmentally significant Wnt |target genes. The Dickkopf family of secreted inhibitors of Wnt signaling ensures proper morphological development by antagonizing different stages of the Wnt cascade. Dkk-1 (Dickkopf-1) acts upstream of b-catenin and dishevelled to inhibit Wnt signaling. Dkk-1 is a 266-amino acid (human), secreted protein that contains a 31-residue N-terminal signal peptide, 2 cysteine rich domains, and a putative carboxy terminal N-glycosylation site. Human Dkk-1 transcripts are abundantly present in fetal kidney, adult placenta and adult prostate. Putative cis regulatory elements upstream of the Dkk-1 start site include p53, Sp1, MyoD, STAT, Oct-1/2, C/EBP-a, C/EBP-b, GATA-1, GATA-2 and GATA-3.
Keywords	Dickkopf 1;Dickkopf 1 homolog;Dickkopf 1 like;Dickkopf homolog 1;Dickkopf like protein 1;Dickkopf related protein 1;Dickkopf WNT signaling pathway inhibitor 1;Dickkopf-1;Dickkopf-related protein 1;DKK 1;Dkk-1;Dkk1;DKK1_HUMAN;hDkk 1;hDkk-1;SK antibody

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