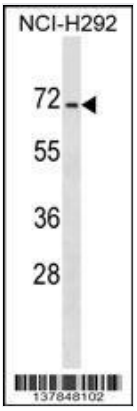
DACT3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DACT3, Polyclonal Antibody
Full Product Name	DACT3, NT (DACT3, RRR1, Dapper homolog 3, Antagonist of beta-catenin Dapper homolog 3, Arginine-rich region 1 protein) (Azide free) (HRP)
Product Gene Name	anti-DACT3 antibody
Product Synonym Names	DACT3; RRR1; Dapper homolog 3; Antagonist of beta-catenin Dapper homolog 3; Arginine-rich region 1 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	64,949 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (47150869..47164395, complement). Location: 19q13.32
OMIM	611112
3D Structure	ModBase 3D Structure for Q96B18
Immunogen	DACT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-165 amino acids from the N-terminal region of human DACT3.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-DACT3 antibody	Antibodies; Wnt Proteins
Applications Tested/Suitable for anti-DACT3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-DACT3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DACT3 antibody	Dact3 is the gene product of the third discovered member of the Dact (Dapper) family of developmentally-expressed genes. Discovered in mouse, a highly conserved ortholog also exists in the human genome. As with other Dact family members, Dact3 may play a role in antagonism of Wnt signaling.
Product References and Citations for anti-DACT3 antibody	Jiang, X., et al. Cancer Cell 13(6):529-541(2008). Fisher, D.A., et al. Dev. Dyn. 235(9):2620-2630(2006).

Other Notes	Small volumes of anti-DACT3 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.
Searchable Terms for DACT3 purchase	MBS6290720 is an antibody targeting DACT3. Also known as DACT3, NT (DACT3, RRR1, Dapper homolog 3, Antagonist of beta-catenin Dapper homolog 3, Arginine-rich region 1 protein) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DACT3 antibody
DACT3 Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the DACT3 antibody detected the DACT3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DACT3. It may not necessarily be applicable to this product.

NCBI GI #	182507165
NCBI GeneID	147906
NCBI Accession #	NP_659493.2
UniProt Primary Accession #	Q96B18
UniProt Related Accession #	Q96B18
GenBank Nucleotide #	NM_145056.2
NCBI Official Full Name	dapper homolog 3
NCBI Official Synonym Full Names	dishevelled-binding antagonist of beta-catenin 3
NCBI Official Symbol	DACT3
NCBI Official Synonym Symbols	RRR1; DAPPER3
UniProt Protein Name	Dapper homolog 3
UniProt Synonym Protein Names	Antagonist of beta-catenin Dapper homolog 3; Arginine-rich region 1 protein; Dapper antagonist of catenin 3
Protein Family	Dapper
UniProt Gene Name	DACT3
UniProt Synonym Gene Names	RRR1
UniProt Entry Name	DACT3_HUMAN
NCBI Protein Information	dapper homolog 3; arginine rich region 1; arginine-rich region 1 protein; dapper antagonist of catenin 3; antagonist of beta-catenin Dapper homolog 3; dapper, antagonist of beta-catenin, homolog 3

UniProt Comments for DACT3	DACT3: May be involved in regulation of intracellular signaling pathways during development. Specifically thought to play a role in canonical and/or non-canonical Wnt signaling pathways through interaction with DSH (Dishevelled) family proteins. Belongs to the dapper family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 19q13.32 Cellular Component: cytoplasm Molecular Function: identical protein binding; protein kinase C binding; protein kinase A binding Biological Process: Wnt receptor signaling pathway; negative regulation of Wnt receptor signaling pathway; negative regulation of cell growth
Research Articles on DACT3	**1.** Epigenetic repression of DACT3 leads to aberrant Wnt-beta-catenin signaling in colorectal cancer cells.
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