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) (MaxLight 750)
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 MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial 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	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-DACT3 antibody	Antibodies; Wnt Proteins
Applications Tested/Suitable for anti-DACT3 antibody	Western Blot (WB), FLISA
Application Notes for anti-DACT3 antibody	WB: 1:100-500 FLISA: 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	MBS6290725 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) (MaxLight 750). Reactive in Human. Host: Rabbit.

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.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/dact3/6290725