DACT3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DACT3, Polyclonal Antibody
Full Product Name	DACT3 Polyclonal Conjugated Antibody
Product Gene Name	anti-DACT3 antibody
Product Synonym Names	DACT3 Conjugated Antibody; DACT3; DAPPER3; RRR1; dapper homolog 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
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	Recombinant fusion protein of human DACT3 (NP_659493.2).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DACT3 antibody	Most Applications
Application Notes for anti-DACT3 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DACT3 antibody	MBS9442667 is an antibody targeting DACT3. Also known as DACT3 Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.

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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