

Mouse anti-Human, Mouse DACT3 Monoclonal Antibody | anti-DACT3 antibody

DACT3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48040	Mouse	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

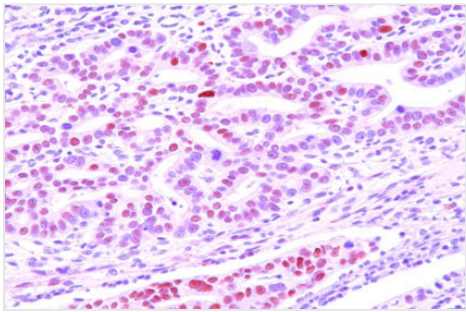
PRODUCT SYNONYMS

DACT3; Monoclonal Antibody; DACT3 antibody; thymus expressed gene 3-like; dapper antagonist of beta-catenin homolog 3 (Xenopus laevis); arginine rich region 1; MGC15476; anti-DACT3 antibody

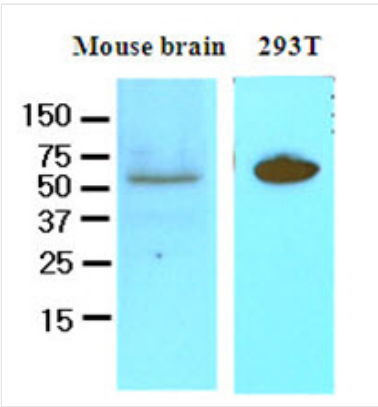
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	2A5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	629
Applicable Applications for anti-DACT3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human DACT3 (89-202aa) purified from E. coli
Clone Note	Anti-human DACT3 mAb, clone 2A5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human DACT3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IHC (Immunohistochemistry)
Paraffin embedded sections of human gastric cancer tissue were incubated with anti-human DACT3 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)
Cell lysates of mouse brain and 293T (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human DACT3 (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-DACT3 antibody	DACT3, a member of the DACT (Dpr/Frdo) gene family, plays an important role in a negative regulator of Wnt/-catenin signaling. Unlike other Wnt signaling inhibitors that are silenced by DNA methylation, DACT3 repression is associated with bivalent histone modifications.
Product Categories/Family for anti-DACT3 antibody	Development
References	Jiang X, et al., (2008) Cancer Cell. 13 (6):529-41; Fisher DA, et al., (2006) Dev Dyn. 235 (9):2620-30

NCBI AND UNIPROT INFORMATION

NCBI GI #	182507165
NCBI GeneID	147906
NCBI Accession #	NP_659493
NCBI GenBank Nucleotide #	NM_145056.2
UniProt Accession #	Q96B18
Molecular Weight	64,949 Da
NCBI Official Full Name	dapper homolog 3 isoform 1
NCBI Official Synonym Full Names	dishevelled binding antagonist of beta catenin 3
NCBI Official Symbol	DACT3
NCBI Official Synonym Symbols	RRR1; DAPPER3
NCBI Protein Information	dapper homolog 3
UniProt Protein Name	Dapper homolog 3
UniProt Gene Name	DACT3
UniProt Synonym Gene Names	RRR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.