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DACT3 Rabbit pAb

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Catalog # AP54644

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96B18
Predicted	Human, Mouse, Rat, Pig, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64949
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DACT3
Epitope Specificity	575-629/629
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the dapper family.
SUBUNIT	Can form homodimers and heterodimers with DACT1 or DACT3. Interacts with CSNK1D, PKA catalytic subunit, PKC-type kinase, DVL1, DVL3, VANGL1, VANGL2 and CTNND1 (By similarity). Interacts with DVL2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Dapper3 is a 629 amino acid protein and mammalian homolog of the Xenopus laevis protein dapper. As a member of the dapper family, Dapper3 plays a role in postnatal brain development and contains a C-terminal PDZ-binding motif that facilitates interaction with the PDZ domains of DSH (Dishevelled) family proteins. As the predominant dapper family member found in adult brain, Dapper 3 localizes to hippocampus, Purkinje cell layer and every layer of the dorsal forebrain and cerebral cortex and is also found in the developing murine central nervous system. Dapper3 is also expressed in uterus, ventral somites, branchial arch mesenchyme, aortic sac, aortic arches, limb bud mesenchyme and craniofacical mesenchyme. Mapping to human chromosome 19q13.32, Dapper3 has been identified as a negative regulator of Wnt/beta-catenin signaling in colorectal cancer.

Additional Information

Gene ID	147906
Other Names	Dapper homolog 3, Antagonist of beta-catenin Dapper homolog 3, Arginine-rich region 1 protein, Dapper antagonist of catenin 3, DACT3, RRR1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DACT3
Synonyms	RRR1
Function	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.

Background

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