

Datasheet for ABIN5027132
anti-DACT1 antibody (AA 645-820)



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Overview

Quantity:	100 µg
Target:	DACT1
Binding Specificity:	AA 645-820
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DACT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A partial length recombinant Dapper homolog 1 protein (amino acids 645-820) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

Target Details

Target:	DACT1
Alternative Name:	Dapper homolog 1 (DACT1 Products)
Background:	Dapper homolog 1 (DACT1) is a cytoplasmic protein and a member of DACT family. It is an important regulator in the planar cell polarity (PCP) pathway. DACT1 interacts and posttranslationally regulates central PCP components Dvl2 and Vangl2 and modulates PCP

Target Details

downstream of the Rac1/JNK cascade. The gene for DACT1 is located at chromosome 14q22.3, which encodes a 836 amino acid protein with a putative leucine zipper (LZ) domain in the amino-terminal end and a consensus PDZ binding (PDZ-B) motif in the carboxy-terminal end that allows the DACT1 protein to interact with the Dishevelled (Dvl) PDZ domain. DACT1 is an important positive regulator in colon cancer through regulating the stability and sublocation of Beta-catenin. The overexpression of DACT1 leads to the increased accumulation of nonphosphorylated Beta-catenin in the cytoplasm and particularly in the nuclei. It interacts with GSK-3beta and beta-catenin and stabilizes it via DACT1-induced effects on GSK-3beta which directly interacts with beta-catenin proteins. This interaction identifies DACT1 as an important positive regulator in colon cancer and suggests a potential strategy for the therapeutic control of the beta-catenin-dependent pathway.

Molecular Weight:	92 kDa
Gene ID:	51339
UniProt:	Q9NYF0
Pathways:	Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB: 2-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

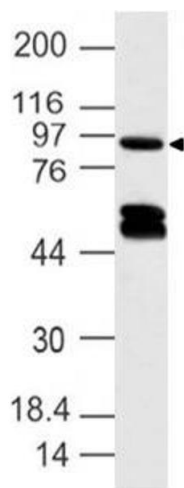


Image 1.