

Dact3 Antibody

Catalog No: #24783

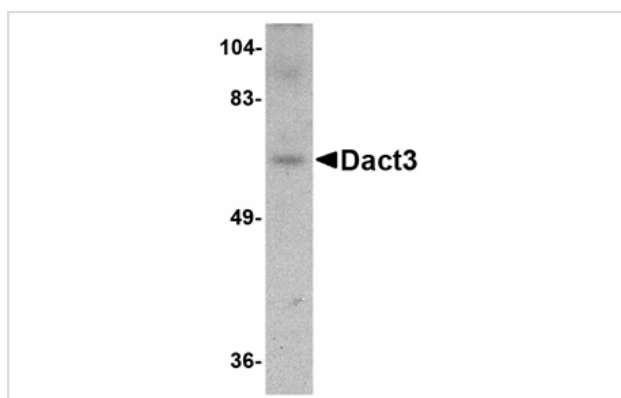
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Description

Product Name	Dact3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the amino terminus of human Dact3.
Target Name	Dact3
Other Names	Dapper homolog 3, Dapper antagonist of beta-catenin 3, RRR3
Accession No.	Q96B18
Uniprot	Q96B18
GeneID	147906;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Dact3 in rat brain tissue lysate with Dact3 antibody at 1 ug/mL.

Background

The Wnt signaling cascade is a conserved process in multicellular animals that plays important roles during development and can contribute to cancer and other diseases. Many members of this pathway are also expressed in the postnatal tissues such as brain. One such protein is Dact3, a member of the Dact protein family that was initially identified through binding to Disheveled (Dvl), a cytoplasmic protein essential to Wnt signaling. Dact3 is expressed in the ventral region of maturing somites, limb bud and branchial arch mesenchyme, embryonic CNS, and the adult brain. Recent evidence shows that Dact3 acts as a negative regulator Wnt/beta-catenin signaling that is repressed at the transcriptional level in colorectal cancer and this repression is associated with bivalent histone modifications. This repression can be reversed by pharmacological agents that targets both histone methylation and deacetylation, suggesting that Dact3 may be a potential target for therapeutic treatment of this cancer. At least three isoforms of Dact3 are known to exist.

Note: This product is for in vitro research use only