

Anti-Dapper homolog 3 Dact3 Antibody

Catalog Number: A11557

About DACT3

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.

Overview

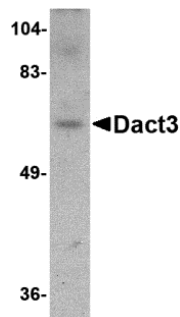
Product Name	Anti-Dapper homolog 3 Dact3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Dapper homolog 3 Dact3 Antibody (Catalog # A11557). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Dact3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Dact3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96B18

Technical Details

Immunogen	Dact3 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human Dact3. The immunogen is located within amino acids 370 - 420 of Dact3.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	Dact3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dact3 antibody can be used for detection of Dact3 by Western blot at 1 ug/mL. Antibody validated: Western Blot in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Dapper homolog 3 Dact3 Antibody (A11557) Images



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

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