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Anti-Dapper homolog 2 Dact2 Antibody

Catalog Number: A10097

About DACT2

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 Dact2, a member of the Dact protein family that was initially identified through binding to Disheveled (Dvl), a cytoplasmic protein essential to Wnt signaling. Dact2 is most prominent during the development of the thymus kidneys, and salivary gland. Dact2 is thought to play a role distinct from that of Dact1 with Dact2 having a greater impact on a beta-catenin-independent process termed planar cell polarity/convergent-extension signaling. Furthermore, Dact2 but not Dact1 can inhibit Nodal signaling by promoting the endocytic degradation of TGF-beta receptors. At least two isoforms of Dact2 are known to exist.

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Overview

Product Name	Anti-Dapper homolog 2 Dact2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Dapper homolog 2 Dact2 Antibody (Catalog # A10097). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Dact2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Dact2 antibody can be stored at 4°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	Q5SW24

Technical Details

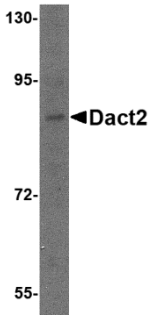
Immunogen	Dact2 antibody was raised against a 12 amino acid synthetic peptide from near the amino terminus of human DACT2. The immunogen is located within amino acids 150 - 200 of Dact2.

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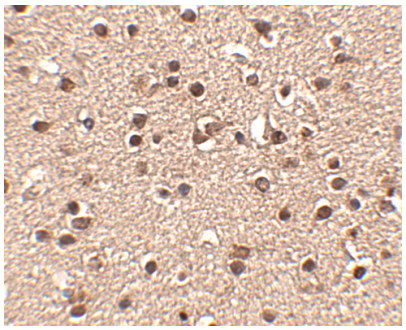
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Dact2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dact2 antibody can be used for detection of Dact2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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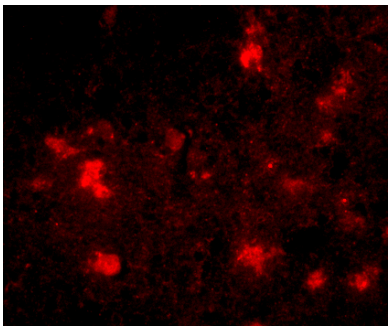
Anti-Dapper homolog 2 Dact2 Antibody (A10097) Images



Western blot analysis of Dact2 in SK-N-SH cell lysate with Dact2 antibody at 1 ug/mL.



Immunohistochemistry of Dact2 in human brain tissue with Dact2 antibody at 2.5 ug/mL.



Immunofluorescence of Dact2 in Human Brain cells with Dact2 antibody at 20 ug/mL.

Anti-Dapper homolog 2 Dact2 Antibody

For Research Use Only. Not for use in diagnostic procedures.