

[Go to Product page](#)

## Datasheet for ABIN6991002 **anti-DACT2 antibody (N-Term)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.1 mg   |
| Target:              | DACT2  |
| Binding Specificity: | AA 150-200, N-Term   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This DACT2 antibody is un-conjugated   |
| Application:         | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

### Product 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. |
| Isotype:      | IgG  |
| Purification: | Dact2 Antibody is affinity chromatography purified via peptide column.   |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | DACT2  |
| Alternative Name: | Dact2 ( <a href="#">DACT2 Products</a> )   |
| Background:       | Dact2 Antibody: 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. |

## Target Details

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.

Gene ID: 168002

NCBI Accession: [NP\\_999627](#)

UniProt: [Q5SW24](#)

## Application Details

Application Notes: Dact2 antibody can be used for detection of Dact2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/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.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Dact2 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: Dact2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.