

**DACT3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54644****Specification**

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**DACT3 Polyclonal Antibody - Product Information**

|                                |  |
|--------------------------------|--|
| Application                    | IHC-P, IHC-F, IF, ICC, E   |
| Primary Accession              | <a href="#">Q96B18</a>   |
| Reactivity                     | Rat, Pig, Bovine   |
| Host                           | Rabbit   |
| Clonality                      | Polyclonal   |
| Calculated MW                  | 65 KDa   |
| Physical State                 | Liquid   |
| Immunogen                      | KLH conjugated synthetic peptide derived from human DACT3  |
| Epitope Specificity            | 575-629/629  |
| Isotype                        | IgG  |
| <b>Purity</b>                  |  |
| affinity purified by Protein A |  |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  |
| SIMILARITY                     | Belongs to the dapper family.  |
| SUBUNIT                        | Can form homodimers and heterodimers with DACT1 or DACT3. Interacts with CSNK1D, PKA catalytic subunit, PKC-type kinase, DVL1, DVL3, VANGL1, VANGL2 and CTNND1 (By similarity). Interacts with DVL2. |
| Important Note                 | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.  |

**Background Descriptions**

Dapper3 is a 629 amino acid protein and mammalian homolog of the *Xenopus laevis* protein dapper. As a member of the dapper family, Dapper3 plays a role in postnatal brain development and contains a C-terminal PDZ-binding motif that facilitates interaction with the PDZ domains of DSH (Dishevelled) family proteins. As the predominant dapper family member found in adult brain, Dapper 3 localizes to hippocampus, Purkinje cell layer and every layer of the dorsal forebrain and cerebral cortex and is also found in the developing murine central nervous system. Dapper3 is also expressed in uterus, ventral somites, branchial arch mesenchyme, aortic sac, aortic arches, limb bud mesenchyme and craniofacial mesenchyme. Mapping to human chromosome 19q13.32, Dapper3 has been identified as a negative regulator of Wnt/beta-catenin signaling in colorectal cancer.

**DACT3 Polyclonal Antibody - Additional Information****Gene ID 147906****Other Names**

Dapper homolog 3, Antagonist of beta-catenin Dapper homolog 3, Arginine-rich region 1 protein, Dapper antagonist of catenin 3, DACT3, RRR1

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A  
E~~N/A

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**DACT3 Polyclonal Antibody - Protein Information**

**Name** DACT3

**Synonyms** RRR1

**Function**

May be involved in regulation of intracellular signaling pathways during development. Specifically thought to play a role in canonical and/or non-canonical Wnt signaling pathways through interaction with DSH (Dishevelled) family proteins.

**DACT3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DACT3 Polyclonal Antibody - Images**