

**FADD Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10031****Specification**

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**FADD Antibody - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB                        |
| Primary Accession | <a href="#">Q13158</a>    |
| Other Accession   | <a href="#">NM_003824</a> |
| Reactivity        | Human, Mouse, Rat, Monkey |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Isotype           | Rabbit IgG                |
| Calculated MW     | 23279                     |

**FADD Antibody - Additional Information****Gene ID 8772**

|                     |                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application & Usage | Western blot analysis (0.5-4 µg/ml) and can also be used in immunoprecipitation. However, the optimal conditions should be determined individually. The antibody detects an ~28 kDa band, corresponding to the expected molecular mass of FADD on immunoblots. |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Other Names**

FAS-associated death domain protein, GIG3, MGC8528, MORT1

**Target/Specificity**

FADD

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) affinity purified rabbit anti-FADD polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

### Precautions

FADD Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### FADD Antibody - Protein Information

**Name** FADD {ECO:0000303|PubMed:7538907, ECO:0000312|HGNC:HGNC:3573}

#### Function

Apoptotic adapter molecule that recruits caspases CASP8 or CASP10 to the activated FAS/CD95 or TNFRSF1A/TNFR-1 receptors (PubMed:<a href="http://www.uniprot.org/citations/7538907" target="\_blank">7538907</a>, PubMed:<a href="http://www.uniprot.org/citations/23955153" target="\_blank">23955153</a>, PubMed:<a href="http://www.uniprot.org/citations/19118384" target="\_blank">19118384</a>, PubMed:<a href="http://www.uniprot.org/citations/20935634" target="\_blank">20935634</a>, PubMed:<a href="http://www.uniprot.org/citations/16762833" target="\_blank">16762833</a>, PubMed:<a href="http://www.uniprot.org/citations/24025841" target="\_blank">24025841</a>, PubMed:<a href="http://www.uniprot.org/citations/9184224" target="\_blank">9184224</a>). The resulting aggregate called the death-inducing signaling complex (DISC) performs CASP8 proteolytic activation (PubMed:<a href="http://www.uniprot.org/citations/7538907" target="\_blank">7538907</a>, PubMed:<a href="http://www.uniprot.org/citations/19118384" target="\_blank">19118384</a>, PubMed:<a href="http://www.uniprot.org/citations/20935634" target="\_blank">20935634</a>, PubMed:<a href="http://www.uniprot.org/citations/16762833" target="\_blank">16762833</a>, PubMed:<a href="http://www.uniprot.org/citations/9184224" target="\_blank">9184224</a>). Active CASP8 initiates the subsequent cascade of caspases mediating apoptosis (PubMed:<a href="http://www.uniprot.org/citations/16762833" target="\_blank">16762833</a>). Involved in interferon-mediated antiviral immune response, playing a role in the positive regulation of interferon signaling (PubMed:<a href="http://www.uniprot.org/citations/21109225" target="\_blank">21109225</a>).

#### Tissue Location

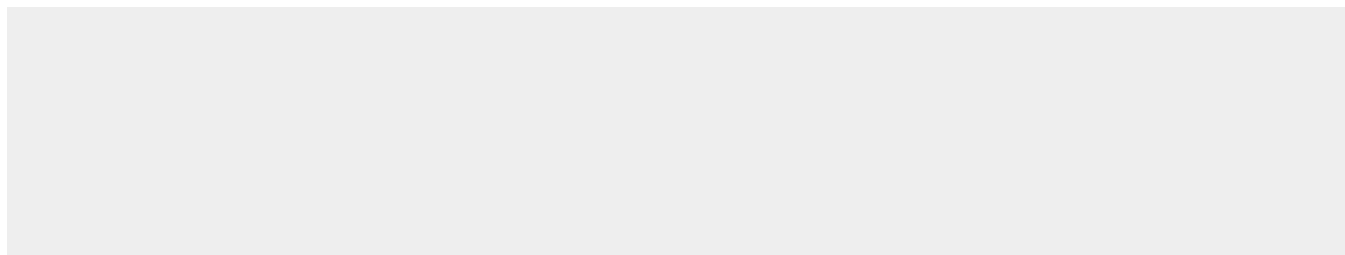
Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.

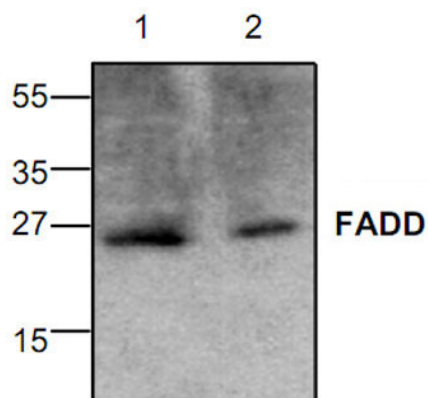
### FADD Antibody - Protocols

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](#)

### FADD Antibody - Images





Western blot analysis of FADD expression with Jurkat cell lysates (Lane 1, 2).

#### **FADD Antibody - Background**

Fas-associating death domain containing protein (FADD), also known as mediator of receptor induced toxicity (MORT1), is a 23 kDa cytosolic protein with an apparent molecular weight of 28 kDa on SDS-PAGE. The protein is involved in both Fas and TNF-R induced cell death pathway. FADD specifically binds to Fas to initiate the apoptotic signalling cascade. Overexpression of FADD induces apoptosis.