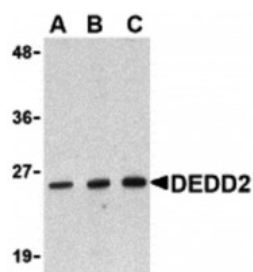




## DEDD2 Antibody

CATALOG NUMBER: 3071



Western blot analysis of DEDD2 in RAW264.7 cell lysate with DEDD2 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	DEDD2 antibody can be used for detection of DEDD2 by Western blot at 0.5 to 2 ug/mL.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1283 - RAW264.7 Cell Lysate
<b>IMMUNOGEN:</b>	DEDD2 antibody was raised against a peptide corresponding to 11 amino acids near the amino-terminus of human DEDD2.  The immunogen is located within the first 50 amino acids of DEDD2.
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	DEDD2 Antibody is immunoaffinity chromatography purified IgG.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	DEDD2 Antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	DEDD2 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.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	DEDD2 Antibody: FLAME-3, FLAME3, PSEC0004, DED-containing protein FLAME-3
<b>ACCESSION NO.:</b>	NP_579874

PROTEIN GI NO.:	19923050
OFFICIAL SYMBOL:	DEDD2
GENE ID:	162989

## Background

**BACKGROUND:** DEDD2 Antibody: Apoptotic signals are often triggered by cell surface death receptors through protein-protein interactions mediated by conserved domains such as the death effector domain. A novel death effector domain (DED)-containing protein, DEDD2, has been recently identified and its over-expression in transfected cells induces moderate apoptosis and results in substantial sensitization to apoptosis induced by Fas, TRAIL, and FADD. More recently, work has shown that DEDD2 can bind caspase-8 and -10 in addition to FLIP but not FADD. Like the related protein DEDD, DEDD2 translocates from the cytosol to the nucleus upon induction of apoptosis, and it has been suggested that DEDD2 may target caspase-8 to the nucleus and that DEDD2 thus plays a critical role in death receptor-induced apoptosis. At least two alternatively spliced transcript variants encoding distinct isoforms have been found for DEDD2.

**REFERENCES:**

- 1) Tibbetts MD, Zheng L, and Lenardo MJ. The death effector domain protein family: regulators of cellular homeostasis. *Nat. Immunol.* 2003; 4:404-9.
- 2) Roth W, Stenner-Liewen F, Pawlowski K, et al. Identification and characterization of DEDD2, a death effector domain-containing protein. *J. Biol. Chem.* 2002; 277:7501-8.
- 3) Alcivar A, Hu S, Tang J, et al. DEDD and DEDD2 associate with caspase-8/10 and signal cell death. *Oncogene* 2003; 22:291-7.

FOR RESEARCH USE ONLY

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