10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DEDD2 Rabbit pAb

Catalog # AP97162

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WXF8
Other Accession	Q8WXF8
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36179
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DEDD2
Epitope Specificity	201-300/326
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 DED (death effector) domain.
SUBUNIT	Interacts with CASP8, CASP10 and GTF3C3. Homodimerizes and heterodimerizes with DEDD.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Over-expression of DEDD2 in transfected cells induces moderate apoptosis and results in substantial sensitization to apoptosis induced by Fas, TRAIL, and FADD. More recently, it has been 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.

Additional Information

Gene ID	162989
Other Names	FLAME-3; FLAME3; 2410050E11Rik; DEDD2_HUMAN; DEDD2; DED-containing protein FLAME-3; FADD-like anti-apoptotic molecule 3; DEDD2_MOUSE; death effector domain containing 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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.

Protein Information

Name	DEDD2
Synonyms	FLAME3
Function	May play a critical role in death receptor-induced apoptosis and may target CASP8 and CASP10 to the nucleus. May regulate degradation of intermediate filaments during apoptosis. May play a role in the general transcription machinery in the nucleus and might be an important regulator of the activity of GTF3C3.
Cellular Location	Nucleus, nucleolus. Note=Nuclear, accumulated in subnuclear structures resembling nucleoli
Tissue Location	Expressed in most tissues. High levels were found in liver, kidney, heart, ovary, spleen, testes, skeletal muscle and peripheral blood leukocytes. Expression was absent or low in colon and small intestine. Expression is relatively high in the tumor cell lines chronic myologenous leukemia K-562 and the colorectal adenocarcinoma SW480. Expression is moderate in the cervical carcinoma HeLa, the Burkitt's lymphoma Raji, the lung carcinoma A-549, and the melanoma G- 361. In contrast, two leukemia cell lines, HL-60 (promyelocytic leukemia) and MOLT-4 (lymphoblastic leukemia), show relatively low levels.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.