



Rabbit Anti-DEDD2 antibody

SL7063R

Product Name:	DEDD2
Chinese Name:	死亡效应结构域蛋白2抗体
Alias:	Death effector domain containing 2; DED containing protein FLAME 3; DNA binding death effector domain containing protein 2; FADD like anti apoptotic molecule 3; FLAME 3;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DEDD2:201-300/326
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with CASP8, CASP10 and GTF3C3. Homodimerizes and heterodimerizes with DEDD.

Subcellular Location:

Nucleus, nucleolus. Note=Nuclear, accumulated in subnuclear structures resembling nucleoli.

Tissue Specificity:

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 myelogenous 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.

Similarity:

Contains 1 DED (death effector) domain.

SWISS:

8WXF8

Gene ID:

162989

Database links:

[Entrez Gene: 162989](#)Human

[Entrez Gene: 67379](#)Mouse

[Entrez Gene: 687118](#)Rat

[Omin: 606841](#)Human

[SwissProt: Q8WXF8](#)Human

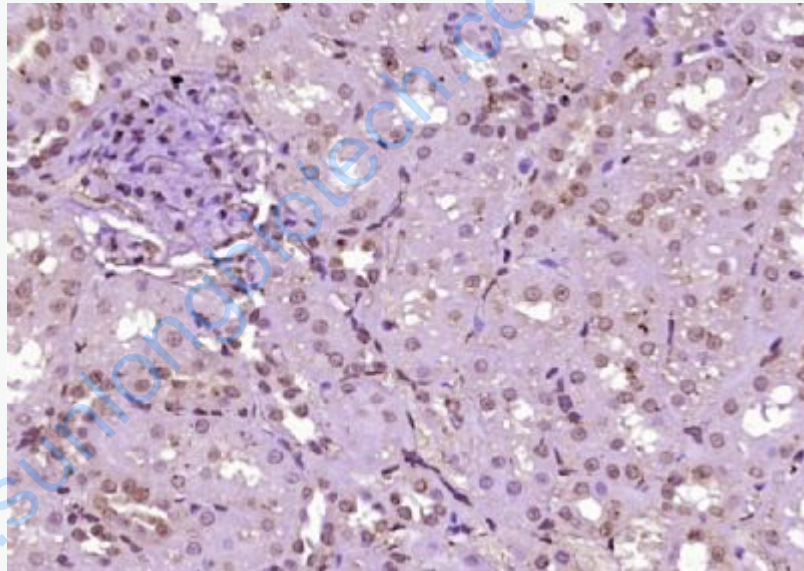
[SwissProt: Q8QZV0](#)Mouse

[Unigene: 515432](#)Human

[Unigene: 280594](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DEDD2) Polyclonal Antibody, Unconjugated (SL7063R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.