

Product datasheet for **TA327380**

FLIP (CFLAR) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human CFLAR
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CASP8 and FADD like apoptosis regulator
Database Link:	NP_003870 Entrez Gene 12633 Mouse Entrez Gene 117279 Rat Entrez Gene 8837 Human O15519



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Background:

Cellular FLIP (FLICE inhibitory protein) is a regulator of apoptosis that has various names, such as c-FLIP, Casper, CLARP, FLAME, I-FLICE, MRIT, CASH, and Usurpin. FLIP is expressed as two alternative splice isoforms, FLIP short (FLIPS) and FLIP long (FLIPL). FLIPS contains two death effector domains (DEDs) like those found on the death receptor adaptor protein FADD and the pro-domain of caspase-8. FLIPL shares significant homology with caspase-8 (FLICE), and contains an additional death effector domain, but FLIPL lacks the catalytic active site of the caspases and does not have protease activity. Both FLIP isoforms have been reported to interact with FADD and pro-caspase-8. The role of FLIP in apoptosis is controversial as some research studies have reported it to be anti-apoptotic, while others claim that it is pro-apoptotic. Overexpression of FLIPL can lead to caspase-8 heterodimers that produce an active protease, resulting in apoptosis. However, at physiological levels, it is thought that the binding of FLIP to the DED of FADD results in inhibition of caspase-8 processing. Reduction of FLIP by siRNA or gene targeting sensitizes cells to death receptor-mediated apoptosis. FLIP has also been implicated in the resistance of cancer cells to apoptosis and is upregulated in some cancer types including Hodgkins lymphoma and ovarian and colon carcinomas.

Synonyms:

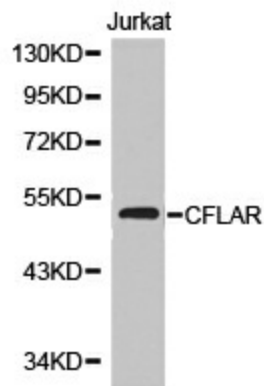
c-FLIP; c-FLIPL; c-FLIPR; c-FLIPS; CASH; CASP8AP1; Casper; CLARP; FLAME; FLAME-1; FLAME1; FLIP

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Apoptosis

Product images:

Western blot analysis of extracts of Jurkat cell line, using CFLAR antibody.