

Rabbit CFLAR Polyclonal Antibody | anti-CFLAR antibody

CFLAR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326759	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

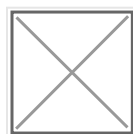
PRODUCT SYNONYMS

CFLAR; Polyclonal Antibody; CFLAR Antibody; c FLIP; c FLIPL; c FLIPR; c FLIPS; c-FLIP; c-FLIPL; c-FLIPR; c-FLIPS; CASH; CASP8 and FADD like apoptosis regulator; CASP8 and FADD-like apoptosis regulator subunit p12; CASP8AP1; Caspase homolog; Caspase like apoptosis regulatory protein; Caspase related inducer of apoptosis; Caspase-eight-related protein; Caspase-like apoptosis regulatory protein; Casper; Cellular FLICE-like inhibitory protein; CFLA; Cflar; CFLAR_HUMAN; CLARP; FADD like anti apoptotic molecule; FADD-like antiapoptotic molecule 1; FLAME; FLAME-1; FLAME1; FLIP; I FLICE; I-FLICE; Inhibitor of FLICE; MACH-related inducer of toxicity; MRIT; OTTHUMP00000163715; OTTHUMP00000206475; OTTHUMP00000206476; OTTHUMP00000206478; OTTHUMP00000206479; OTTHUMP00000206480; OTTHUMP00000206482; OTTHUMP00000207360; Usurpin; Usurpin beta; anti-CFLAR antibody

PRODUCT SPECIFICATIONS

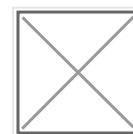
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CFLAR antibody detects endogenous levels of total CFLAR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	480
Applicable Applications for anti-CFLAR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CFLAR
Tissue Specificity	Widely expressed. Higher expression in skeletal muscle, pancreas, heart, kidney, placenta, and peripheral blood leukocytes. Also detected in diverse cell lines. Isoform 8 is predominantly expressed in testis and skeletal muscle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of Jurkat, using CFLAR antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326759 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326759 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CFLAR antibody	Description: Cellular FLIP (FLICE inhibitory protein) is a regulator of apoptosis that has various names, such as c-FLIP (1), Casper (2), CLARP (3), FLAME (4), I-FLICE (5), MRIT (6), CASH (7), and Usurpin (8). 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 Hodgkin's lymphoma and ovarian and colon carcinomas (9). Function: Apoptosis regulator protein which may function as a crucial link between cell survival and cell death pathways in mammalian cells. Acts as an inhibitor of TNFRSF6 mediated apoptosis. A proteolytic fragment (p43) is likely retained in the death-inducing signaling complex (DISC) thereby blocking further recruitment and processing of caspase-8 at the complex. Full length and shorter isoforms have been shown either to induce apoptosis or to reduce TNFRSF-triggered apoptosis. Lacks enzymatic (caspase) activity. Subunit Structure: TNFRSF6 stimulation triggers recruitment to the death-inducing signaling complex (DISC) formed by TNFRSF6, FADD and caspase-8. A proteolytic fragment (p43) stays associated with the DISC. Also interacts with caspase-10, caspase-3, TRAF1, TRAF2 and Bcl-X(L) (in vitro). Interacts with HBV protein X. Post-translational Modifications: Proteolytically processed; probably by caspase-8. Processing likely occurs at the DISC and generates subunit p43 and p12. Similarity: The caspase domain lacks the active site residues involved in catalysis. Belongs to the peptidase C14A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187608577
NCBI GeneID	8837
NCBI Accession #	NP_001120655.1
NCBI GenBank Nucleotide #	NM_001127183.3
UniProt Accession #	O15519; O14673; O14674; O14675; O15137; O15138; O15356; O15510; O43618; O43619; B4DJEO; B7Z9F9
Molecular Weight	Observed: 52 kDa Predicted: 56 kDa
NCBI Official Full Name	CASP8 and FADD-like apoptosis regulator isoform 1
NCBI Official Synonym Full Names	CASP8 and FADD like apoptosis regulator
NCBI Official Symbol	CFLAR
NCBI Official Synonym Symbols	CASH; FLIP; MRIT; CLARP; FLAME; Casper; FLAME1; c-FLIP; FLAME-1; I-FLICE; c-FLIPL; c-FLIPR; c-FLIPS; CASP8AP1
NCBI Protein Information	CASP8 and FADD-like apoptosis regulator

UniProt Protein Name	CASP8 and FADD-like apoptosis regulator
UniProt Gene Name	CFLAR
UniProt Synonym Gene Names	CASH; CASP8AP1; CLARP; MRIT; CASH; Casper; CLARP; c-FLIP; FLAME-1; I-FLICE; MRIT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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