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

FLIP Antibody

Catalog # ASC10028

Product Information

Application	WB, IF, FC, E, IHC-P
Primary Accession	O15519
Other Accession	AAC51622, 2253679
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	55344
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FLIP antibody can be used for Western blot at 1 - 2 □g/mL. Antibody can also be used for immunocytochemistry starting at 5 □g/mL. For immunofluorescence start at 20 □g/mL.

Additional Information

Gene ID	8837
Other Names	FLIP Antibody: CASH, FLIP, MRIT, CLARP, FLAME, Casper, FLAME1, c-FLIP, FLAME-1, I-FLICE, c-FLIPL, c-FLIPR, c-FLIPS, CASP8AP1, CASH, CASP8 and FADD-like apoptosis regulator, Caspase homolog, CASP8 and FADD-like apoptosis regulator
Target/Specificity	CFLAR; FLIP recognizes all FLIP splice variants including FLIPa, b, and y.
Reconstitution & Storage	FLIP antibody can be stored at 4℃ for three months and -20℃, 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.
Precautions	FLIP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CFLAR
Synonyms	CASH, CASP8AP1, CLARP, MRIT
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.
Tissue Location	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

Background

FLIP Antibody: Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain (DD)- containing adapter molecules and members of the ICE/CED-3 protease family. Caspases-8 (FLICE) and -10 (FLICE2) are two pivotal members in the ICE/CED-3 protease family. FLICE-inhibitory proteins were identified in virus and human and designated v-FLIPs and FLIP, respectively. The human FLIP was also cloned by several labs independently and termed Casper, I-FLICE, FLAME-1, CASH and CLARP3-7. FLIP contains two death effector domains (DEDs) and a caspase-like domain. FLIP interacts with adapter protein FADD and caspase-8 and 10, and potently inhibits apoptosis induced by all known death receptors. Four splice variants of c-FLIPs have been identified and termed FLIPalpha, beta, gamma, and delta, respectively.

References

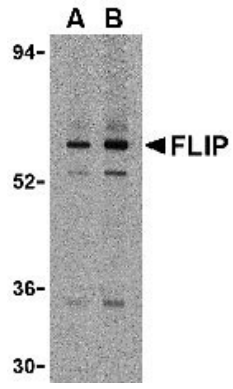
Thome M, Schneider P, Hofmann K, Fickenscher H, Meinl E, Neipel F, Mattmann C, Burns K, Bodmer JL, Schroter M, Scaffidi C, Krammer PH, Peter ME, Tschopp J. Viral FLICE-inhibitory proteins (FLIPs) prevent apoptosis induced by death receptors. Nature 1997;386:517-521

Irmler M, Thome M, Hahne M, Schneider P, Hofmann K, Steiner V, Bodmer JL, Schroter M, Burns K, Mattmann C, Rimoldi D, French LE, Tschopp J. Inhibition of death receptor signals by cellular FLIP. Nature 1997;388:190-195

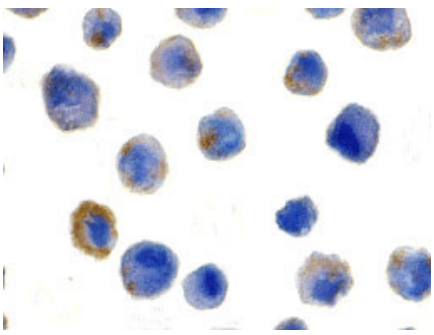
Shu HB, Halpin DR , Goeddel DV. Casper is a FADD- and caspase-related inducer of apoptosis. Immunity 1997;6:751-763

Hu S, Vincenz C, Ni J, Gentz R, Dixit VM. I-FLICE, a novel inhibitor of tumor necrosis factor receptor-1- and CD-95-induced apoptosis. J Biol Chem 1997;272:17255-17257

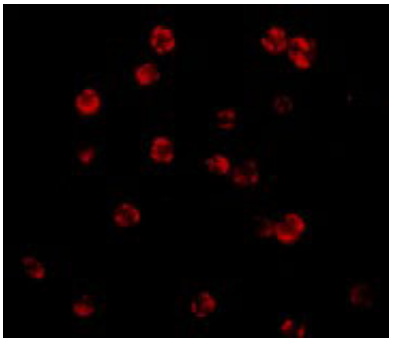
Images



Western blot analysis of FLIP in K562 cell lysate with FLIP antibody at (A) 1 and (B) 2 µg/mL.



Immunocytochemistry of FLIP in HeLa cells with FLIP antibody at 5 µg/mL.



Immunofluorescence of FLIP in HeLa cells with FLIP antibody at 20 µg/mL.