

FLIP Antibody
Catalog # ASC10044

Specification

FLIP Antibody - Product Information

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application | WB, ICC, IF |
| Primary Accession | O15519 |
| Other Accession | AAC51622 , 2253679 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | 35 kDa and 25 kDa KDa |
| Application Notes | FLIP can be used for detection of FLIP by Western blot at 1:1000 dilution. 35 kDa and 25 kDa bands can be detected. Antibody can also be used for immunocytochemistry starting at 2 µg/mL. For immunofluorescence start at 10 µg/mL. |

FLIP Antibody - 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; Antibody recognizes human and murine FLIPgamma and FLIPdelta but not FLIPalpha and FLIPbeta.

Reconstitution & Storage

FLIP antibody can be stored at 4°C for three months and -20°C, 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.

FLIP Antibody - 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

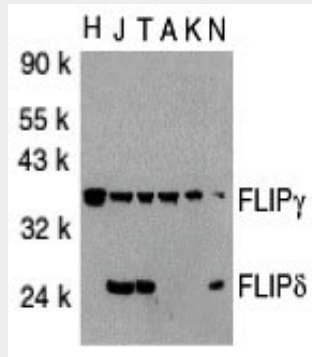
Widely expressed. Higher expression in skeletal muscle, pancreas, heart, kidney, placenta, and peripheral blood leukocytes. Also detected in diverse cell lines. Isoform 8 is predominantly expressed in testis and skeletal muscle

FLIP Antibody - Protocols

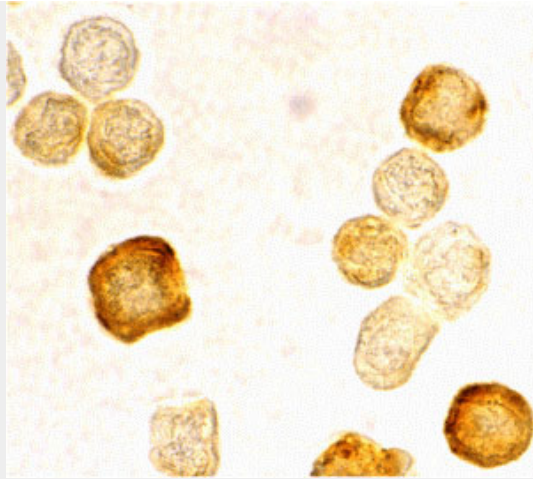
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

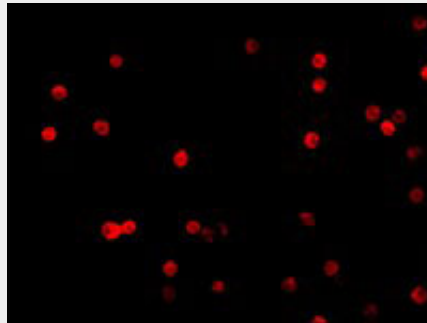
FLIP Antibody - Images



Western blot analysis of FLIP in total cell lysates from HeLa (H), Jurkat (J), THP-1 (T), A431 (A), K562 (K) and NIH3T3 (N) cells with FLIP antibody at 1:1000 dilution.



Immunocytochemistry staining of HeLa cells using FLIP antibody at 2 µg/mL.



Immunofluorescence of FLIP in HeLa cells with FLIP antibody at 10 µg/mL.

FLIP Antibody - 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 c-FLIPs, respectively. The human FLIPs were also cloned by several labs independently and termed Casper, I-FLICE, FLAME-1, CASH, CLARP and usurpin. 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 CD95, DR3, TRAIL-R and TNFR1. Four splice variants of c-FLIPs have been identified and termed FLIPalpha, beta, gamma, and delta, respectively.

FLIP Antibody - References

Thome M, Schneider P, Hofmann K, Fickenscher H, Meinel E, Neipel F, Mattmann C, Burns K, Bodmer JL, Schroter M, Scaffidi C, Kramer 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