

FLIP_L (H-150): sc-8346

BACKGROUND

FLIP (FLICE inhibitory protein) is expressed as both long and short forms and is involved in the regulation of apoptosis. The short form of FLIP contains two death effector domains homologous to the death effector domain of the FAS-associated protein FADD. The long form of FLIP, which shares significant homology with the cysteine protease FLICE, contains an additional caspase-like domain, but lacks a catalytic active site and lacks the residues that form the substrate binding pocket in most caspases. FLIP has been designated by independent groups as Casper, I-FLICE, CLARP, FLAME-1 and MRIT. Although its exact role is still being elucidated, FLIP appears to be an important factor in the regulation of apoptosis downstream of all known death receptors.

REFERENCES

1. Thome, M., et al. 1997. Viral FLICE-inhibitory proteins (FLIPs) prevent apoptosis induced by death receptors. *Nature* 386: 517-521.
2. Imler, M., et al. 1997. Inhibition of death receptor signals by cellular FLIP. *Nature* 388: 190-195.
3. Shu, H.B., et al. 1997. Casper is a FADD- and caspase-related inducer of apoptosis. *Immunity* 6: 751-763.

CHROMOSOMAL LOCATION

Genetic locus: CFLAR (human) mapping to 2q33.1; Cflar (mouse) mapping to 1 C1.3.

SOURCE

FLIP_L (H-150) is a rabbit polyclonal antibody raised against amino acids 201-350 mapping within an internal region of FLIP_L of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

FLIP_L (H-150) is recommended for detection of FLIP_L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with FLIP_S.

Molecular Weight of FLIP_L: 55 kDa.

Positive Controls: mouse kidney extract: sc-2255, Jurkat whole cell lysate: sc-2204 or MCF7 whole cell lysate: sc-2206.

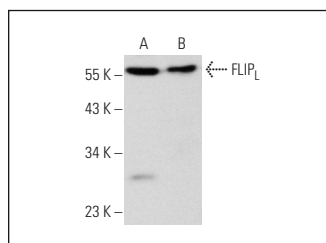
STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

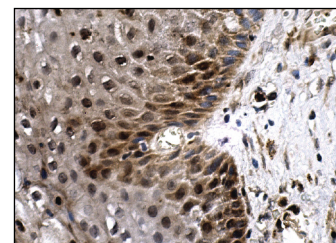
RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA



FLIP_L (H-150): sc-8346. Western blot analysis of FLIP_L expression in Jurkat (A) and SW480 (B) whole cell lysates.



FLIP_L (H-150): sc-8346. Immunoperoxidase staining of formalin fixed, paraffin-embedded human cervix tissue showing nuclear staining of squamous epithelial cells.

SELECT PRODUCT CITATIONS

1. Yoon, G., et al. 2002. Ceramide increases Fas-mediated apoptosis in glioblastoma cells through FLIP down-regulation. *J. Neurooncol.* 60: 135-141.
2. Pallares, J., et al. 2004. Abnormalities in the NFκB family and related proteins in endometrial carcinoma. *J. Pathol.* 204: 569-577.
3. Wu, Y.Y., et al. 2004. Sensitization of cells to TRAIL-induced apoptosis by decoy receptor 3. *J. Biol. Chem.* 279: 44211-44218.
4. Qanungo, S., et al. 2004. N-acetyl-L-cysteine enhances apoptosis through inhibition of nuclear factor κB in hypoxic murine embryonic fibroblasts. *J. Biol. Chem.* 279: 50455-50464.
5. Chen, K., et al. 2005. Balance of proliferation and cell death between thyrocytes and myofibroblasts regulates thyroid fibrosis in granulomatous experimental autoimmune thyroiditis (G-EAT). *J. Leukoc. Biol.* 77: 166-172.
6. Karatsaidis, A., et al. 2007. Survival signalling in keratinocytes of erythematous oral lichen planus. *J. Oral Pathol. Med.* 36: 215-222.
7. Rébé, C., et al. 2007. Caspase-8 prevents sustained activation of NFκB in monocytes undergoing macrophagic differentiation. *Blood* 109: 1442-1450.
8. Mandron, M., et al. 2008. Dendritic cell-induced apoptosis of human cytomegalovirus-infected fibroblasts promotes cross-presentation of pp65 to CD8⁺ T cells. *J. Gen. Virol.* 89: 78-86.
9. Deng, H., et al. 2010. IKK antagonizes activation-induced cell death of CD4⁺ T cells in aged mice via inhibition of JNK activation. *Mol. Immunol.* 48: 287-293.



Try **FLIPL (5D8): sc-136160**, our highly recommended monoclonal alternative to FLIPL (H-150).