SunLong Biotech Co.,LTD
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# Rabbit Anti-FLIP antibody

SL0119R

| | |
|---|---|
| **Product Name** | FLIP |
| **Chinese Name** | FLIP 抗体 |
| **Alias** | CASP8 and FADD-like apoptosis regulator subunit p43; CASP8 and FADD-like apoptosis regulator subunit p43; Flice-like Inhibitory protein; c FLIP; c FLIPL; c FLIPR; c FLIPS; c-FLIP; CASH; CASP8 and FADD like apoptosis regulator; CASP8 and FADD like apoptosis regulator precursor; CASP8AP1; Caspase Eight Related Protein; Caspase homolog; Caspase Homologue; Caspase Like Apoptosis Regulatory Protein; Caspase related inducer of apoptosis; CASPER; Cellular FLICE like inhibitory protein; CFLA; CFLAR; CLARP; FADD like anti apoptotic molecule; FADD Like Anti-apoptotic Molecule 1; FADD-like antiapoptotic molecule 1; FADD like antiapoptotic molecule 1; FADD Like Apoptosis Regulator; FLAME 1; FLAME; FLAME1; FLAME-1; FLICE Inhibitor Protein; FLIP; FLIPs; I FLICE; I-FLICE; Inhibitor of FLICE; Inhibitor of FLICE; MACH Related Inducer of Toxicity; MACH-related inducer of toxicity; mFLIP; MRIT; USURPIN; Usurpin beta; FLICE-like inhibitory protein short form; FLICE-like inhibitory protein long form; CFLAR_HUMAN; Cellular FLICE-like inhibitory protein. |
| **Research Area** | Tumour Cell biology Signal transduction Apoptosis |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Rabbit, ) |
| **Applications** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Theoretical molecular weight** | 43/52kDa |
| **Cellular localization** | cytoplasmic |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human CASP8 and FADD-like apoptosis |

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|---|---|
| | regulator subunit p43: 7-100/480 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Buffer Solution** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| **Storage** | Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Attention** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **PubMed** | PubMed |
| **Product Detail** | The protein encoded by this gene is a regulator of apoptosis and is structurally similar to caspase-8. However, the encoded protein lacks caspase activity and appears to be itself cleaved into two peptides by caspase-8. Several transcript variants encoding different isoforms have been found for this gene, and partial evidence for several more variants exists. [provided by RefSeq, Feb 2011]<br><br>**Function:**<br>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.<br><br>**Subunit:**<br>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.<br><br>**Tissue Specificity:**<br>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.<br><br>**Post-translational modifications:**<br>Proteolytically processed; probably by caspase-8. Processing likely occurs at the DISC and generates subunit p43 and p12.<br><br>**Similarity:**<br>Belongs to the peptidase C14A family.<br>Contains 2 DED (death effector) domains. |

**SWISS:**
O15519

**Gene ID:**
8837

**Database links:**

Entrez Gene: 8837 Human

Entrez Gene: 12633 Mouse

Entrez Gene: 117279 Rat

Omim: 603599 Human

SwissProt: O15519 Human

SwissProt: O35732 Mouse

Unigene: 390736 Human

Unigene: 336848 Mouse

FLIP 参与凋亡的调节。此抗体在长型和短型的 FLIP 异构体中均表达。短型 FLIP 包含 2 个死亡效应基因结构区，同源于 FAS 相关蛋白死亡效应基因结构区。长型 FLIP 包含 1 个附加的 Caspase 样结构区，但是他缺少一个催化部位和在大多数 Caspase 蛋白中形成底物结合束的残基。

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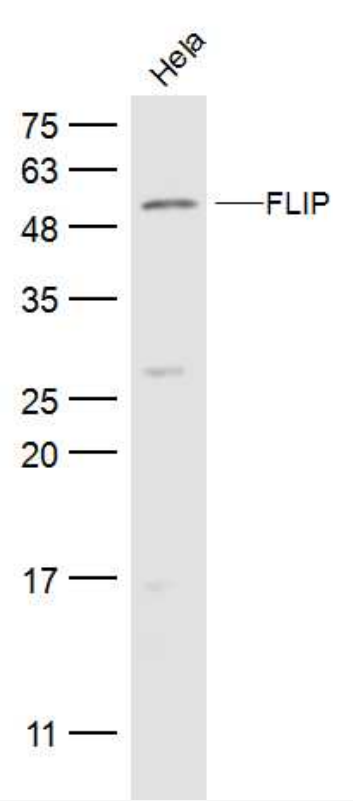
**Product Picture**




Sample:

Hela(Human) Cell Lysate at 30 ug

Primary: Anti-FLIP (SL0119R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43/52 kD

Observed band size: 52 kD

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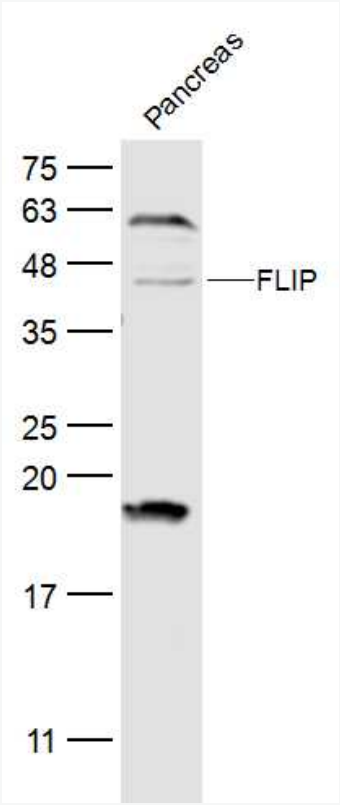


Sample:

Pancreas (Mouse) Lysate at 40 ug

Primary: Anti-FLIP (SL0119R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43/52 kD

Observed band size: 43/52 kD

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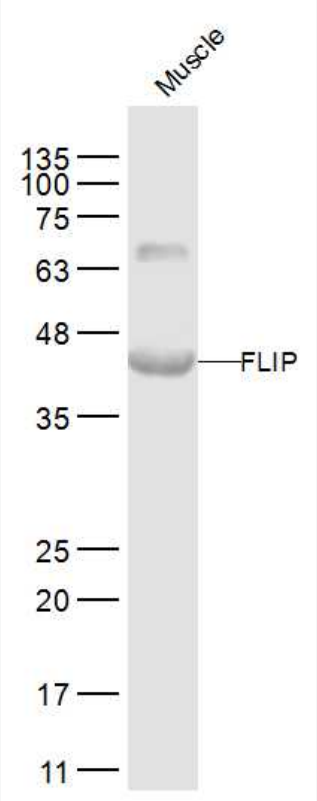


Sample:

Muscle(Mouse) Lysate at 40 ug

Primary:Anti-FLIP (SL0119R) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43/52 kD

Observed band size: 43 kD

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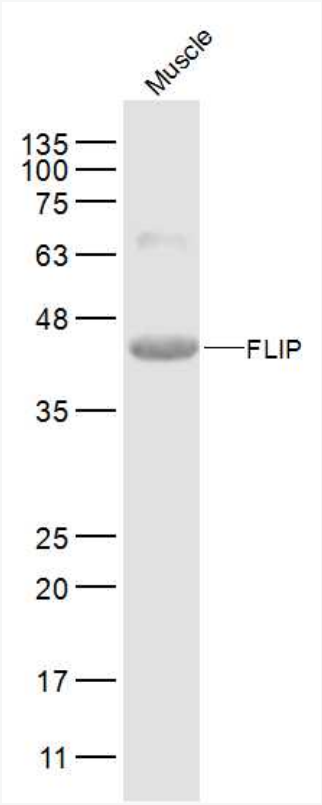


Sample:

Muscle(Mouse) Lysate at 40 ug

Primary: Anti-FLIP (SL0119R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43/52 kD

Observed band size: 43 kD

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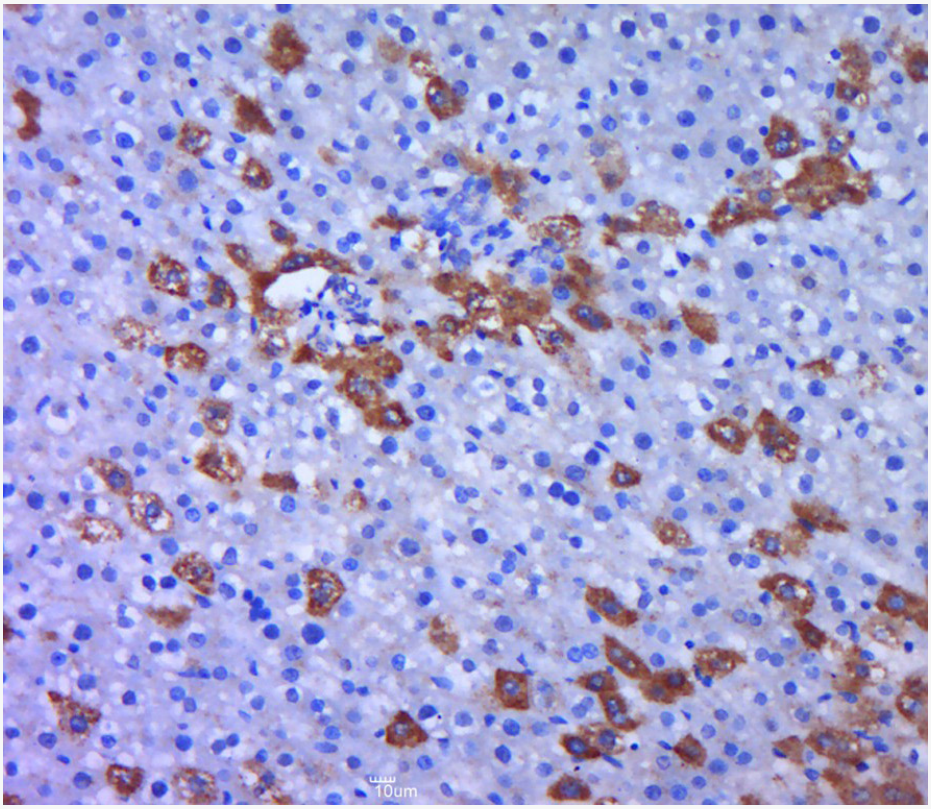


Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FLIP) Polyclonal Antibody, Unconjugated (SL0199R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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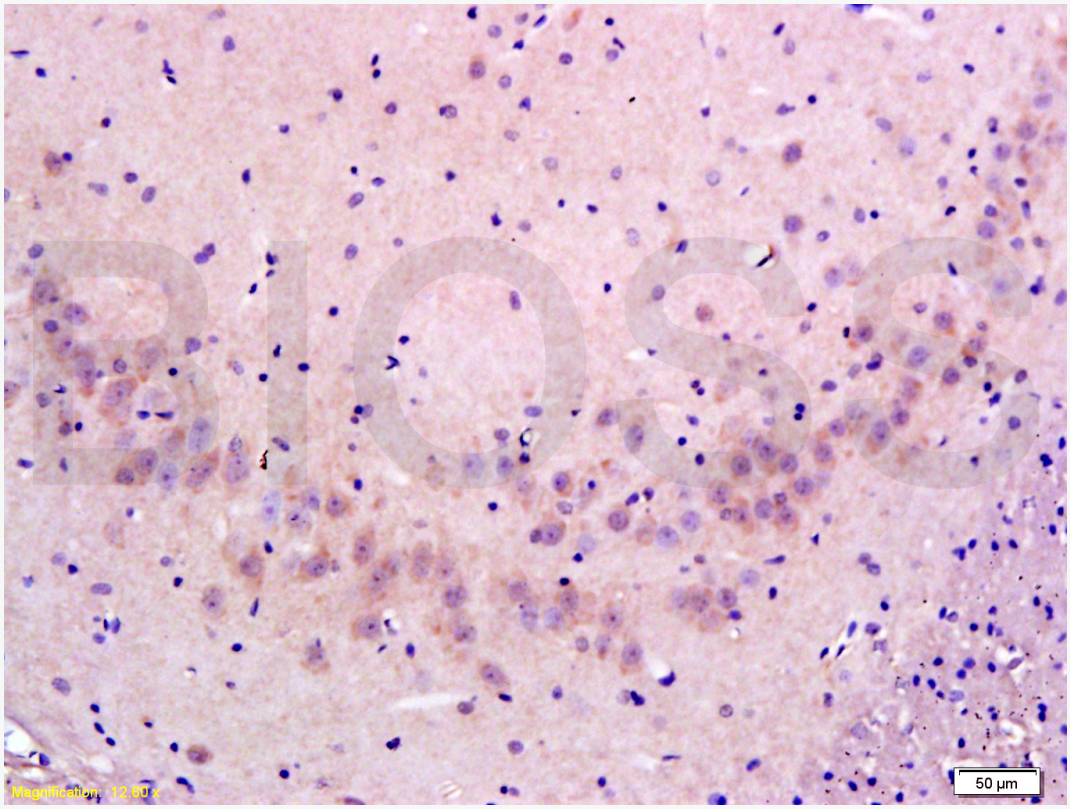
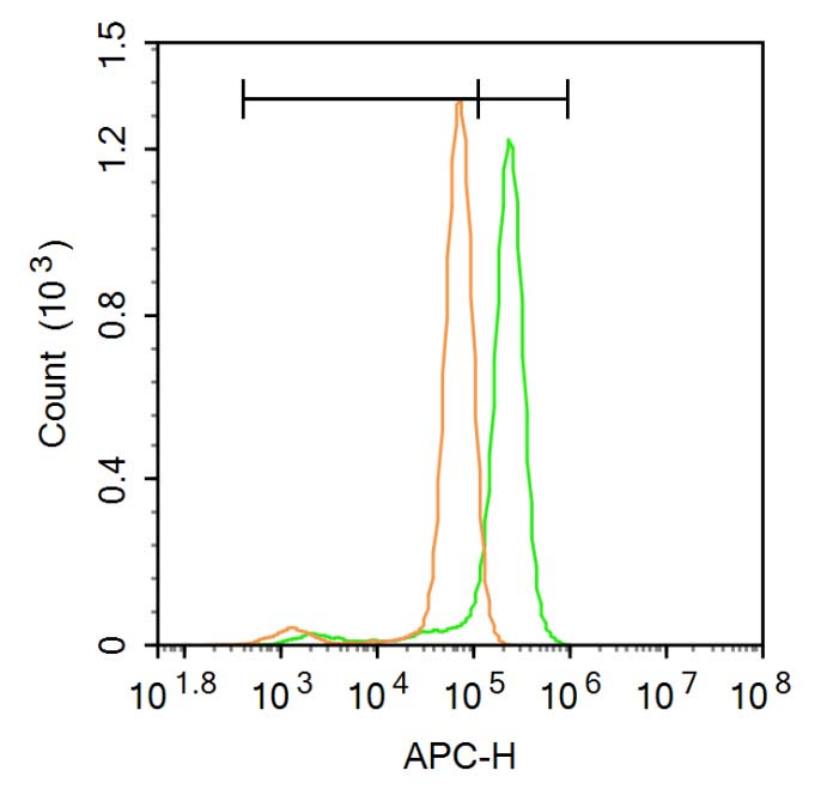



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-FLIP/c FLIP Polyclonal Antibody, Unconjugated(SL0119R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining




Blank control (Black line): HUVEC (Black).

Primary Antibody (green line): Rabbit Anti-FLIP antibody (SL0119R)

Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

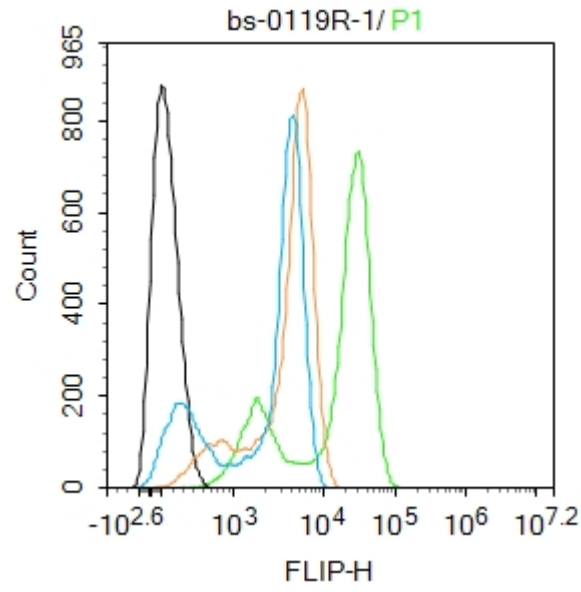
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: 1µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at

room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.




Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-FLIP antibody (SL0119R)

Dilution: 1ug/Test;

Secondary Antibody : Goat anti-rabbit IgG-FITC

Dilution: 0.5ug/Test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20℃.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at

room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.