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Datasheet for 600-401-BF3

FLIP Antibody

Overview

Description:	Anti-FLIP (RABBIT) Antibody - 600-401-BF3
Item No.:	600-401-BF3
Size:	100 µg
Applications:	ELISA, FC, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CFLAR
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FLIP antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the N-terminus of human FLIP. The sequence is identical in all FLIP splice variants.
Purity/Specificity:	Anti-FLIP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. FLIP recognizes all FLIP splice variants including FLIPa, b, and y.
Relevant Links:	• UniProtKB - O15519 • GeneID - 8837 • NCBI - AAC51622

Application Details

Tested Applications:	ELISA, FC, IF, IHC, WB
Application Note:	Anti-FLIP Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry, Immunofluorescence, and Fluorescence Activated Cell-Sorting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 55 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

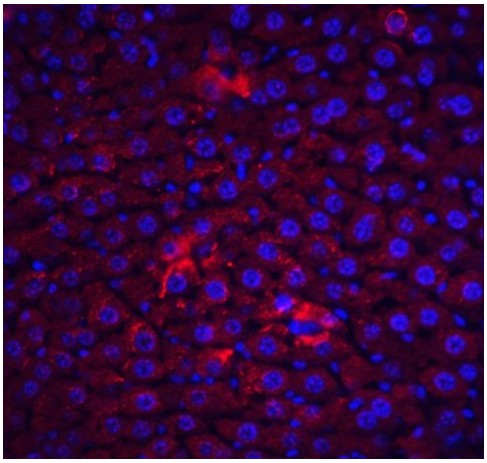
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

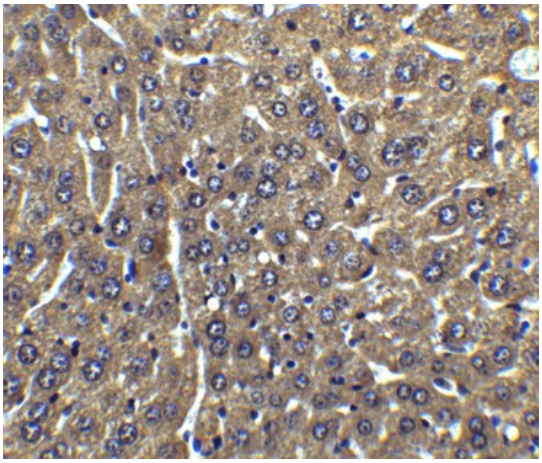
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

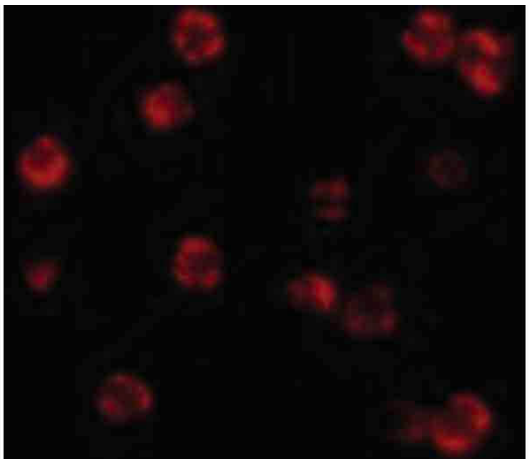
Images



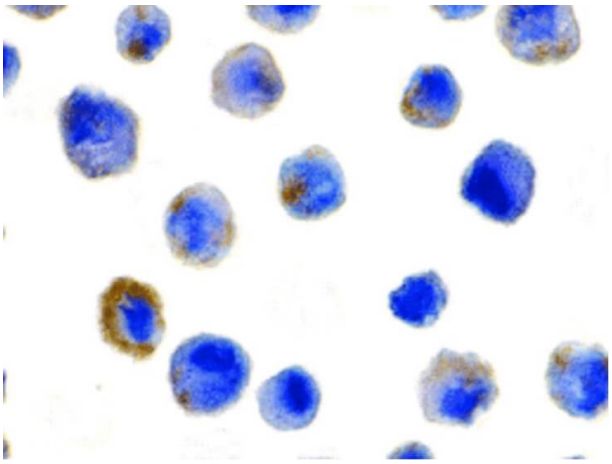
Immunofluorescence Microscopy
Immunofluorescence of FLIP in mouse liver tissue with FLIP antibody at 20 µg/ml.
Red: FLIP Antibody.
Blue: DAPI staining.



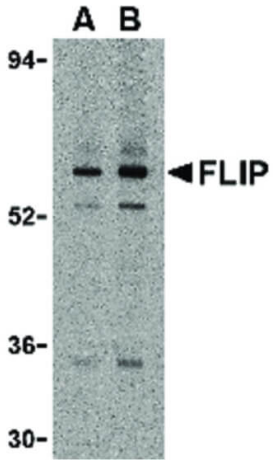
Immunohistochemistry
Immunohistochemistry of FLIP in mouse liver tissue with FLIP antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-FLIP antibody. Cell Type: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: anti-FLIP antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FLIP is cytoplasmic. Staining: FLIP as red fluorescent signal with bis- benzimine (blue) nuclear counterstain.



Immunohistochemistry
Immunocytochemistry of Rabbit anti-FLIP antibody. Cell Type: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-FLIP antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FLIP is cytoplasmic. Staining: FLIP as precipitated brown signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of Rabbit anti-FLIP antibody. Lane 1: K562 cell lysate with anti-FLIP antibody at 1 µg/ml. Lane 2: K562 cell lysate with anti-FLIP antibody at 2 µg/ml. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 55.3 kDa, 55 kDa for FLIP. Other band(s): FLIP splice variants and isoforms.

Disclaimer

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