

Product datasheet

Anti-FLIP delta + gamma antibody ab8423

★★★★★ 1 Abreviews 1 References 5 Images

Overview

Product name	Anti-FLIP delta + gamma antibody
Description	Rabbit polyclonal to FLIP delta + gamma
Host species	Rabbit
Specificity	This antibody recognizes human and murine FLIP gamma and FLIP delta It does not recognise FLIP alpha and FLIP beta.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide: QKSLKDPSNNFRMITPYAH , corresponding to C terminal amino acids 191/209 of Human FLIP delta + gamma. (Peptide available as ab8458).

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control Jurkat cell lysate. 35 kDa and 25 kDa bands can be detected.

General notes

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 (1,2). The human FLIPs were also cloned by several labs independently and termed Casper, I-FLICE, FLAME-1, CASH, CLARP and usurpin (3-7). FLIP contains two death effector domains (DEDs) and a caspase-like domain. FLIP interacts with adapter protein FADD and caspase-8 and -10, and potentially 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 FLIP alpha, beta, gamma, and delta, respectively (8).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide

Purity	Affinity purified
Primary antibody notes	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 (1,2). The human FLIPs were also cloned by several labs independently and termed Casper, IFLICE, FLAME-1, CASH, CLARP and usurpin (3-7). 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 CD95, DR3, TRAIL-R and TNFR1. Four splice variants of c-FLIPs have been identified and termed FLIP alpha, beta, gamma, and delta, respectively (8).
Clonality	Polyclonal
Isotype	IgG
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab8423** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

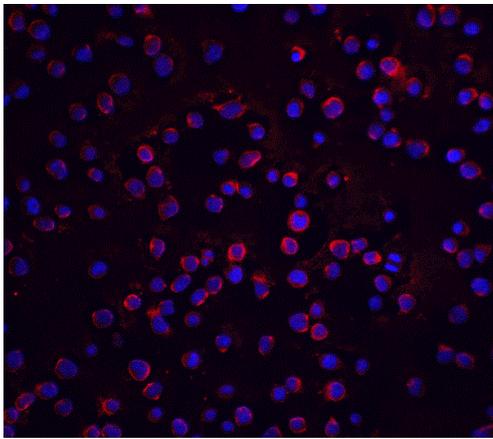
Application	Abreviews	Notes
WB	★★★★☆	1/1000. Detects a band of approximately 35 kDa. Can be blocked with Human FLIP peptide (ab8458) .
ICC/IF		Use a concentration of 2 µg/ml.

Target

Relevance FLIP (or CASP8 and FADD-like apoptosis regulator) is an 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.

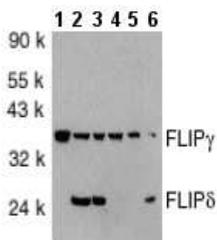
Cellular localization Cytoplasmic

Images



Immunocytochemistry/ Immunofluorescence - Anti-FLIP delta + gamma antibody (ab8423)

Immunocytochemistry/ Immunofluorescence of Jurkat cells staining FLIP delta + gamma with ab8423 at 20 µg/ml



Western blot - Anti-FLIP delta + gamma antibody (ab8423)

All lanes : Anti-FLIP delta + gamma antibody (ab8423) at 1/1000 dilution

Lane 1 : HeLa total cell lysate

Lane 2 : Jurkat total cell lysate

Lane 3 : THP1 total cell lysate

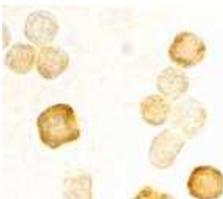
Lane 4 : A431 total cell lysate

Lane 5 : K562 total cell lysate

Lane 6 : NIH3T3 cells

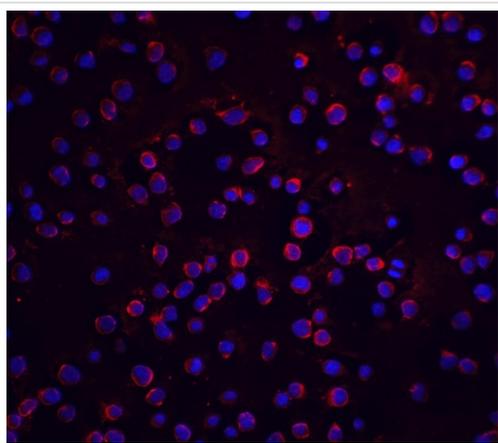
Observed band size: 25,35 kDa

[why is the actual band size different from the predicted?](#)



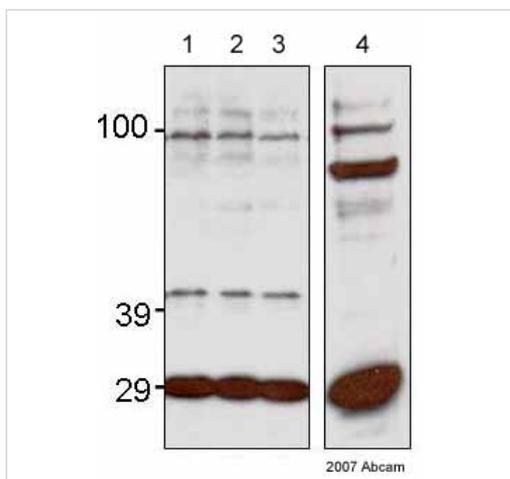
Immunocytochemistry/ Immunofluorescence - Anti-FLIP delta + gamma antibody (ab8423)

ab8423 at 2µg/ml staining FLIP delta + gamma in HeLa cells by ICC/IF



Immunocytochemistry/ Immunofluorescence - Anti-FLIP delta + gamma antibody (ab8423)

Ab8423 at 20µg/ml staining FLIP delta + gamma in Jurkat cells by ICC/IF (Immunocytochemistry/Immunofluorescence).



Western blot - Anti-FLIP delta + gamma antibody (ab8423)

This image is courtesy of an anonymous Abreview

All lanes : Anti-FLIP delta + gamma antibody (ab8423) at 1/5000 dilution

Lanes 1-3 : TF-1 whole cell lysate

Lane 4 : Jurkat whole cell lysate

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab6721) at 1/4000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 30,44,98 kDa [why is the actual band size different from the predicted?](#)

Exposure time: 2 minutes

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