abcam

ab8421

Anti-FLIP antibody

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human CFLAR aa 1-50. The exact immunogen used to generate this antibody is proprietary information. Database link O15519
Purification technique	Affinity purification
Specificity	Recognizes all FLIP splice variants including FLIP alpha, beta, gamma, and delta.
Light chain type	unknown
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	FLIP Antibody is affinity chromatography purified via peptide column.

Reactivity data

Flow Cyt

Expected

Species	Mouse
Dilution info	-

Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Rat
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Human
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

WB

Tested

Species	Human
Dilution info	1/500 - 1/1000
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Mouse

Dilution info	5 µg/mL
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	5 µg/mL
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

Target data

See full target information CFLAR

Function	Apoptosis regulator protein which may function as a crucial link between cell survival and cell death pathways in mammalian cells (PubMed:31046799). 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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	FLIP also known as c-FLIP or CASP8 and FADD-like apoptosis regulator is an important protein that inhibits apoptosis. It has a molecular mass of around 55-58 kDa and comes in multiple isoforms including c-FLIP(L) and c-FLIP(S). FLIP is expressed in many tissues such as the thymus spleen and lungs and plays a role in immune regulation by modulating apoptosis induced by death receptors like Fas and TNFR1. Its regulation of cell death makes it key to cell survival especially in the context of immune cells.
Biological function summary	FLIP protein impacts cellular processes by blocking the activation of caspase-8 preventing the apoptosis cascade from proceeding. It is not typically part of a large complex but interacts directly with the death-inducing signaling complex (DISC). By inhibiting the apoptotic machinery it protects cells from unnecessary death signals facilitating controlled cellular turnover and immune responses.
Pathways	FLIP affects apoptosis and NF-kB signaling. These pathways are vital for cell survival inflammation and immune responses. FLIP interacts closely with Fas-

	associated protein with death domain (FADD) and caspase-8 to regulate apoptotic pathways. It acts as a checkpoint in intrinsic and extrinsic apoptosis pathways thereby influencing both normal and pathological processes such as immune cell survival and proliferation.
Associated diseases and disorders	FLIP expression connects to cancer and autoimmune disorders. Its overexpression can contribute to cancer progression by allowing cancer cells to escape apoptosis leading to uncontrolled cell growth. Furthermore it can be linked to autoimmune disorders where inappropriate control of apoptosis results in prolonged survival of autoreactive immune cells. In these contexts FLIP's interaction with proteins such as Fas and TNFR1 becomes significant highlighting its potential as a therapeutic target in mitigating these diseases.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

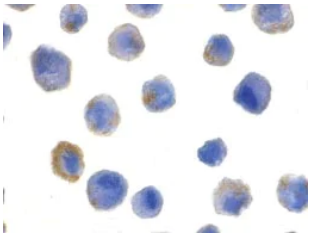
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

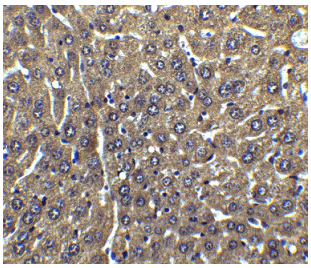
3 product images



Immunocytochemistry/ Immunofluorescence - Anti-FLIP antibody (ab8421)

FLIP Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-FLIP antibody

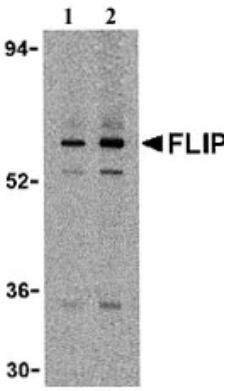
ab8421 at 5µg/ml staining FLIP in Hela cells by ICC/IF



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FLIP antibody (ab8421)

FLIP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-FLIP antibody

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



Western blot - Anti-FLIP antibody (ab8421)

Lane 1:
Western blot - Anti-FLIP antibody (ab8421) at 1 µg/mL

Lane 2:
Western blot - Anti-FLIP antibody (ab8421) at 2 µg/mL

All lanes:
K562 cell lysate

Predicted band size: 55 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.