




Product datasheet

Anti-FLASH antibody ab8420

★★★★★ [1 Abreviews](#) [2 References](#) [2 Images](#)

Overview

Product name	Anti-FLASH antibody
Description	Rabbit polyclonal to FLASH
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide: SERFQQLMKLFEKSKC , corresponding to amino acids 1966/1981 of Human FLASH. (Peptide available as ab8455 .)  Run BLAST with  Run BLAST with
Positive control	HeLa cell lysate An approximate 220 kDa band can be detected.
General notes	

A novel mammalian CED-4 homologous was recently identified and cloned in mouse (1) and human (2) and designated FLASH (for FLICE-associated huge protein). FLASH is involved in Fas induced apoptosis. It is recruited to Fas after the receptor cross-linking. Overexpression of wild type of FLASH facilitates and its dominant negative form inhibits Fas induced apoptosis. FLASH interacts with the DEDs of caspase-8 and FADD through the DED-like domain of FLASH and mediates activation of caspase-8 (1). There are parallels between FLASH and Apaf-1/CED-4 although there are arguments against their structural similarity (1,2).

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

	term.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide
Purity	Affinity purified
Primary antibody notes	A novel mammalian CED-4 homologous was recently identified and cloned in mouse (1) and human (2) and designated FLASH (for FLICE-associated huge protein). FLASH is involved in Fas induced apoptosis. It is recruited to Fas after the receptor cross-linking. Overexpression of wild type of FLASH facilitates and its dominant negative form inhibits Fas induced apoptosis. FLASH interacts with the DEDs of caspase-8 and FADD through the DED-like domain of FLASH and mediates activation of caspase-8 (1). There are parallels between FLASH and Apaf-1/CED-4 although there are arguments against their structural similarity (1,2).
Clonality	Polyclonal
Isotype	IgG
Light chain type	unknown

Applications

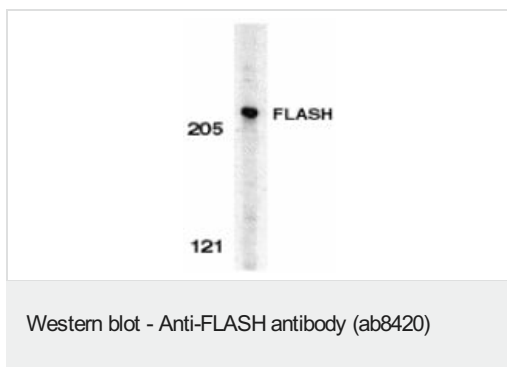
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab8420 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 0.25 - 0.5 µg/ml. Detects a band of approximately 220 kDa. Can be blocked with Human FLASH peptide (ab8455) .
ICC/IF		Use a concentration of 10 µg/ml.

Target

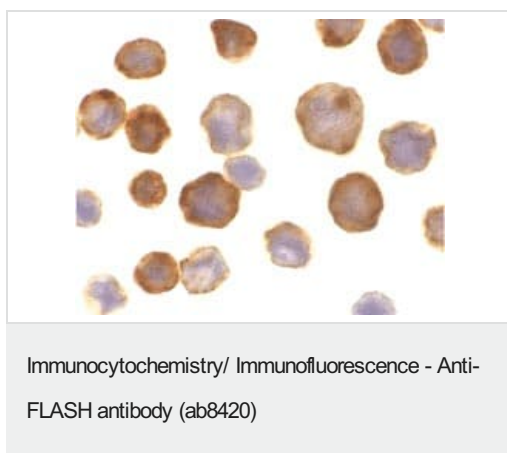
Function	Participates in TNF-alpha-induced blockade of glucocorticoid receptor (GR) transactivation at the nuclear receptor coactivator level, upstream and independently of NF-kappa-B. Suppresses both NCOA2- and NCOA3-induced enhancement of GR transactivation. Involved in TNF-alpha-induced activation of NF-kappa-B via a TRAF2-dependent pathway. Acts as a downstream mediator for CASP8-induced activation of NF-kappa-B. Required for the activation of CASP8 in FAS-mediated apoptosis. Required for histone gene transcription and progression through S phase.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Nucleus. Localizes to discrete nuclear foci.

Images



Anti-FLASH antibody (ab8420) at 0.5 µg/ml + HeLa whole cell lysate

Observed band size: 220 kDa



ab8420 at 10µg/ml staining FLASH in Hela cells by ICC/IF

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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