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+1 484.791.3823

Datasheet for 600-401-BF0

FLASH Antibody

Overview

Description:	Anti-FLASH (RABBIT) Antibody - 600-401-BF0
Item No.:	600-401-BF0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	A novel mammalian CED-4 homologous was recently identified and cloned in mouse and human 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. There are parallels between FLASH and Apaf-1/CED-4 although there are arguments against their structural similarity. FLASH is widely expressed.
Synonyms:	FLASH Antibody, CED-4, FLASH, RIP25, KIAA1315, CASP8-associated protein 2, FLICE-associated huge protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CASP8AP2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FLASH antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids near the C-terminus of human FLASH which differ from those of mouse by one amino acid.

Purity/Specificity:	Anti-FLASH Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with FLASH from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UKL3 • GeneID - 9994 • NCBI - AF165161

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-FLASH Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 223 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:	1:5,000
IF:	10 µg/mL
WB:	0.5 µg/mL

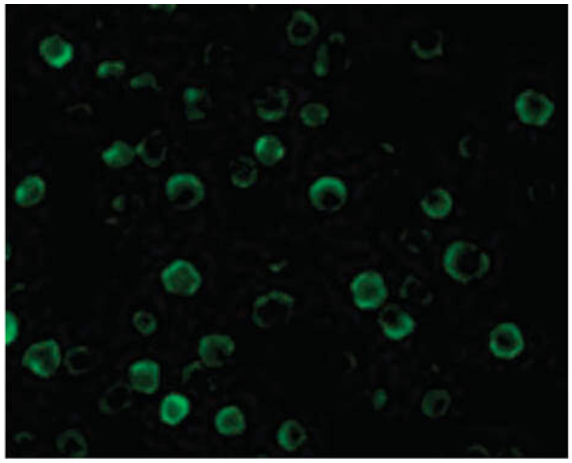
Formulation

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

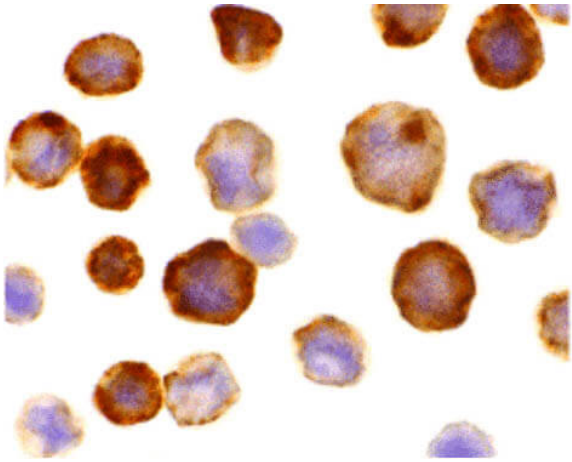
Shipping & Handling

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.

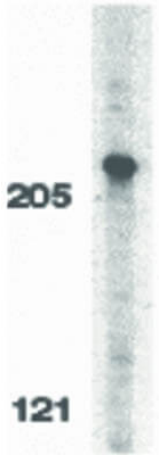
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of FLASH antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: FLASH antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FLASH is nuclear, cytoplasmic, and is also localized in the mitochondria. Staining: FLASH as green fluorescent signal.



Immunocytochemistry
Immunocytochemistry of FLASH antibody. Cells: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: FLASH antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FLASH is nuclear, cytoplasmic, and is also localized in the mitochondria. Staining: FLASH as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot
Western Blot of FLASH antibody. Lane 1: HeLa whole cell lysate. Load: 35 µg per lane. Primary antibody: FLASH antibody at 0.5 µg/mL for overnight at 4°C. 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: 222.7 kDa, 215 kDa for FLASH. Other band(s): FLASH splice variants and isoforms.

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Disclaimer

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