

FLASH Antibody

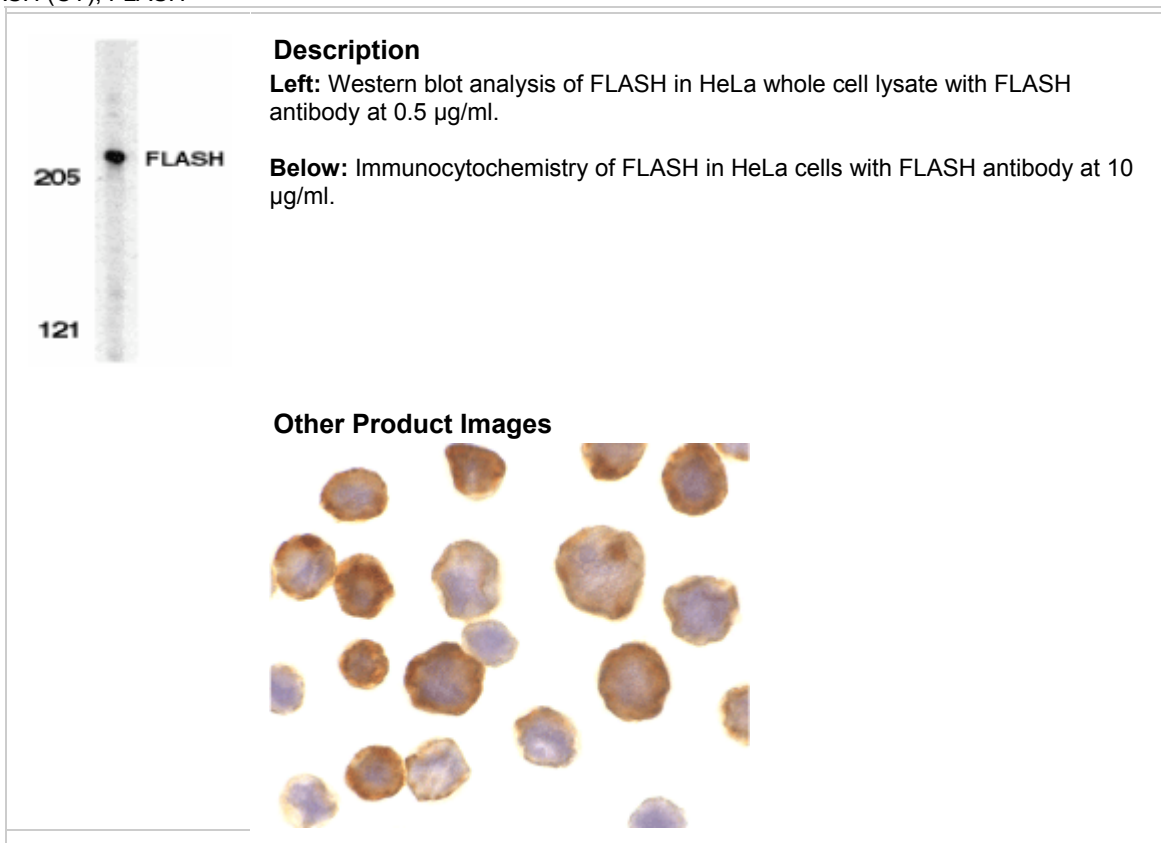
APO-2271

Background

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). FLASH is widely expressed.

Additional Names

FLASH (CT), FLASH



Source

FLASH antibody was raised against a synthetic peptide corresponding to amino acids near the carboxy-terminus of human FLASH which differ from those of mouse by one amino acid.

Purification

Affinity chromatography purified via peptide column

Clonality / Clone

This is a polyclonal antibody.

Host

FLASH antibody was raised in rabbit.

Please use anti-rabbit secondary antibodies.

Immunogen

Human FLASH (C-Terminus) Peptide

Application

FLASH antibody can be used for detection of FLASH by Western blot at 0.25 to 0.5 µg/ml. An approximate 220 kDa band can be detected.

Tested Application

E, WB, ICC

Buffer

Antibody is supplied in PBS containing 0.02% sodium azide.

Blocking Peptide

FLASH Peptide (contact Zyagen for availability)

Storage

FLASH antibody can be stored at 4°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Positive Control

HeLa Cell Lysate (contact Zyagen for availability)

Species Reactivity

H

Protein GI Number

5533376

Protein Accession Number

AF165161

Short Description

(CT) Homolog of CED4

References

1. Imai Y, Kimura T, Murakami A, Yajima N, Sakamaki K, Yonehara S. The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. *Nature* 1999;398:777-85
2. Koonin EV, Aravind L, Hofmann K, Tschopp J, Dixit VM Apoptosis. Searching for FLASH domains. *Nature* 1999;401:662-3

3. Medema JP. Apoptosis. Life and death in a FLASH. *Nature* 1999;398:756-7 (WD0800)