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Anti-FLASH (CT)

CATALOG No.: PX046A SIZE: 100 µg
PX046B SIZE: 0.5 mg

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.

SOURCE:

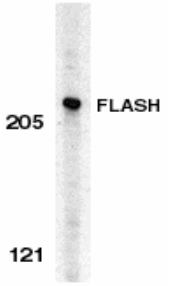
Rabbit anti-FLASH (CT) polyclonal antibody was raised against a synthetic peptide (SERFQQLMKLFEKSKC) corresponding to amino acids 1253 to 1268 of human origin, which differ from those of mouse by one amino acid (1,2).

APPLICATION:

This polyclonal antibody can be used for detection of FLASH by Western blot at 0.25 to 0.5 µg/ml. HeLa cell lysate can be used as positive control and an approximate 220 kDa band can be detected. For research use only.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of FLASH in HeLa whole cell lysate with anti-FLASH (CT) at 0.5 µg/ml.

RELATED PRODUCTS:

Blocking peptide, 50 µg at 200 µg/ml, is available for competition studies.

HeLa cell lysate, 200 µg at 2 mg/ml, is available for positive control.

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

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.

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