

Product Information

Anti-FLASH, C-Terminal

produced in rabbit, affinity isolated antibody

Catalog Number **F3553**

Synonym: Anti-FLICE-Associated Huge Protein

Product Description

Anti-FLASH, C-Terminal is produced in rabbit using a synthetic peptide (SERFQQLMKLFEKSKC) corresponding to the C-terminal, amino acids 1253-1268, of human FLASH^{1,2}. This sequence differs from that of mouse by one amino acid.^{1,2} Purification is by immunoaffinity chromatography.

Anti-FLASH, C-Terminal recognizes human FLASH by immunoblotting, ~205 kDa, and immunocytochemistry.

FLASH, a mammalian CED-4 (*Caenorhabditis elegans* domain) homologous protein has been identified and cloned in mouse¹ and human.² FLASH is involved in Fas induced apoptosis and recruited by Fas after receptor cross-linking. Overexpression of wild-type FLASH facilitates Fas induced apoptosis. FLASH interacts with the DEDs (death effector domains) of caspase-8 and FADD (Fas-associated death domain) through the DED-like domain of FLASH and mediates activation of caspase-8.¹ FLASH is widely expressed.

Reagent

Solution in phosphate buffered saline, containing 0.02% sodium azide.

Concentration: ~1 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Antibody can be stored at 2-8 °C for three months and at -20 °C 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.

Product Profile

Immunoblotting: the recommended working antibody concentration is ~1 µg/mL using K562 or HeLa lysate.

Immunocytochemistry: the recommended working antibody concentration is ~10 µg/mL using HeLa cells.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working concentrations by titration.

References

1. Imai, Y., et al., The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. *Nature*, **398**, 777-785 (1999).
2. Koonin, E.V., et al., Searching for FLASH domains. *Nature*, **401**, 662-663 (1999).

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