

Product: Anti-DFF45/35 (NT)
Catalog #: 12-1148
Amount: 25 mg

CATEGORY:
DESCRIPTION:

Rabbit Polyclonal

A human 45 kDa DNA fragmentation factor (DFF45) was identified recently which was cleaved by caspase-3 during apoptosis. Mouse homologue of human DFF45 was identified as a DNase inhibitor designated ICAD. Upon cleavage of DFF45/ICAD, a caspase activated deoxyribonuclease (DFF45/ICAD) is released and activated and eventually causes degradation of DNA in the nuclei. Therefore, the cleavage of DFF45/ICAD, which causes DFF40/CAD activation and DNA degradation, is the hallmark of apoptotic cell death.

FORM:
IMMUNOGEN:

Purified IgG in PBS containing 0.02% Sodium Azide
A peptide corresponding to amino acids 2 to 21 of human DFF45.

APPLICATION:

Immunoblotting (min. dilution 1:500)
Immunohistochemistry

REACTIVITY/SPECIES:

Human

**RECOMMENDED FOR
POSITIVE CONTROL:**

whole cell lysate from Jurkat cells (45 and 35 kDa band should be detected)

STORAGE:

2-8°C for immediate use, or at -20°C (aliquot)

12-1148P Blocking peptide available

REFERENCES:

Liu, X. et al. (1997) Cell **89**: 175-184
Enari, M. et al. (1998) Nature **391**: 43-50
Sakahira, H. et al. (1998) Nature **391**: 96-99
Liu, X. et al. (1998) Proc Natl Acad Sci USA **95**: 8461-8468
Mukae, N et al. (1998) Proc Natl Acad Sci USA **95**: 9123-9128
Gu, J et al. (1999) J Biol Chem **274**: 20759-20762

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