

Product: Anti-DFF45 (CT)
Catalog #: 12-1141
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 313 to 331 of human DFF45.

APPLICATION:
REACTIVITY/SPECIES:
RECOMMENDED FOR
POSITIVE CONTROL:

Immunoblotting (min. dilution 1:500), Immunoprecipitation
Human

STORAGE:

whole cell lysate from HeLa cells (45 kDa band should be detected)
2-8°C for immediate use, or at -20°C (aliquot)

12-1141P 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
Tang, D & Kidd, VJ (1998) J Biol Chem **273**: 28549-28552

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