

Product: Anti-ICAD (CT)
Catalog #: 12-2003
Amount: 25 mg

CATEGORY:
DESCRIPTION:

Rabbit Polyclonal
A human DNA fragmentation factor (DFF) was identified recently which is cleaved by caspase-3 during apoptosis. Mouse homologue of human DFF was identified as a Dnase inhibitor designated ICAD, for inhibitor of caspase-activated DNase. Upon cleavage of DFF/ICAD, a caspase-activated deoxyribonuclease (CAD) is released and activated and eventually causes the degradation of DNA in the nuclei. Therefore, the cleavage of CAD inhibitor molecule DFF/ICAD, which causes DNase 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 312 to 331 of mouse ICAD.

APPLICATION:
REACTIVITY/SPECIES:
RECOMMENDED FOR POSITIVE CONTROL:

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

STORAGE:

Murine lung tissue lysate (45 kDa band should be detected)
2-8°C for immediate use, or at -20°C (aliquot)

12-2003-1 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
Wyllie, A (1998) Nature **391**: 20-21

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