

SP1235P**Polyclonal Antibody to DFFA / ICAD (C-term) - Purified**

Alternate names:	DFF-45, DFF1, DFF45, DNA fragmentation factor 45 kDa subunit, DNA fragmentation factor subunit alpha, Inhibitor of CAD
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	ICAD (Inhibitor of Caspase-Activated DNase) is the murine homologue of human DFF-45. ICAD is cleaved by Caspase-3, releasing CAD which eventually causes degradation of DNA in the nucleus.
Uniprot ID:	054786
NCBI:	NP_034174.2
GeneID:	13347
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to amino acids 312-331 of mouse ICAD
Format:	State: Liquid purified IgG Purification: Affinity chromatography Buffer System: PBS containing 0.02% Sodium Azide
Applications:	Western blot: 1/500 - 1/1000; this antibody recognises a 45kD band in Western blots. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to ICAD. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Enari M, Sakahira H, Yokoyama H, Okawa K, Iwamatsu A, Nagata S. A caspase-activated DNase that degrades DNA during apoptosis, and its inhibitor ICAD. Nature. 1998 Jan 1;391(6662):43-50. PubMed PMID: 9422506. 2. Sakahira H, Enari M, Nagata S. Cleavage of CAD inhibitor in CAD activation and DNA degradation during apoptosis. Nature. 1998 Jan 1;391(6662):96-9. PubMed PMID: 9422513. 3. Wyllie, A. (1998) Apoptosis: An endonuclease at last. Nature 391: 20-21.

Pictures:

Western blot analysis of lysates from mouse lung (L), brain (B), liver (L) and kidney (K) probed with Rabbit anti Mouse ICAD) (SP1235P)

