



Anti-DFFA Antibody

Alternative Names: DNA fragmentation factor subunit alpha, DFFA, inhibitor of caspase-activated DNase, ICAD, DFF1, DFF-45

Catalogue Number: AA17-10032-100ug

Size: 100 µg

Background Information

DNA fragmentation factor subunit alpha (DFFA, ICAD, DFF45) is an inhibitor of the caspase-activated DNase (DFFB, CAD, DFF40). DNA fragmentation factor (DFF) consists of two subunits, a 40 kDa caspase-activated nuclease (DFFB, CAD, DFF40) and a 45 kDa inhibitor (DFFA, ICAD, DFF45). In proliferating cells DFFB forms a complex with DFFA. When cells undergo apoptosis, caspase 3 cleaves DFFA at two sites to dissociate the DFFA:DFFB complex (ICAD:CAD), allowing DFFB (CAD) to cleave chromosomal DNA. DFFA is expressed in brain, blood, skin, spleen, adipose tissue. It has 2 isoforms produced by alternative splicing. In addition to blocking the DNase activity of DFFB, the C-terminal region of DFFA is also important for the DFFB-specific folding chaperone activity, as demonstrated by the ability of DFFA to refold DFFB.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	Partial length recombinant human DFFA from the C-terminal region of the protein		
Format:	100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB: 1-2 µg/ml		

Additional Information

Subcellular location:	Cytoplasm	MW:	37kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	1676	Uniprot ID:	O00273