

11-7002: Polyclonal Antibody to ICAD

Clonality :	Polyclonal
Application :	WB
Reactivity :	Mouse
Gene :	DFFA
Gene ID :	1676
Uniprot ID :	O00273
Format :	Purified
Alternative Name :	DFFA,DFF1,DFF45,H13
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant ICAD protein (amino acids 111-331) was used as the immunogen for this antibody.

Description

ICAD/DFF45 is an inhibitor of the caspase-activated DNase (CAD, DFF40). DNA fragmentation factor (DFF) consists of two subunits, a 40 kDa caspase-activated nuclease (DFF40) and a 45 kDa inhibitor (DFF45). In proliferating cells CAD or DFF40 forms a complex with ICAD or DFF45. When cells undergo apoptosis, caspase 3 cleaves ICAD at two sites to dissociate the CAD:ICAD complex, allowing CAD to cleave chromosomal DNA. Thus DEF induces the fragmentation of DNA which is a hallmark of apoptosis. ICAD is expressed in brain, blood, skin, spleen, adipose tissue. It has 2 isoforms produced by alternative splicing.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml

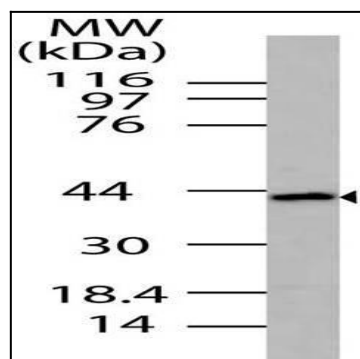


Fig-1: Western blot analysis of ICAD. Anti-ICAD antibody (11-7002) was used at 4 µg/ml on Raw lysate.