

## 11-7002: Polyclonal Antibody to ICAD

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	DFFA
<b>Gene ID :</b>	1676
<b>Uniprot ID :</b>	O00273
<b>Format :</b>	Purified
<b>Alternative Name :</b>	DFFA,DFF1,DFF45,H13
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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 Åµg/ml

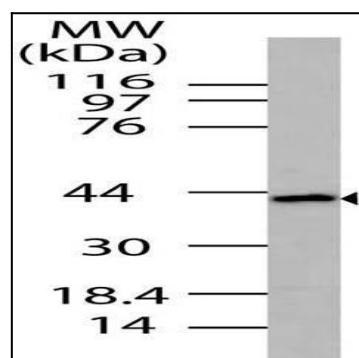


Fig-1: Western blot analysis of ICAD. Anti-ICAD antibody (11-7002) was used at 4 µg/ml on Raw lysate.