

Datasheet for ABIN5027282
anti-DFFA antibody (AA 111-331)



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Overview

Quantity:	100 µg
Target:	DFFA
Binding Specificity:	AA 111-331
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A partial length recombinant ICAD protein (amino acids 111-331) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

Target Details

Target:	DFFA
Alternative Name:	ICAD (DFFA Products)
Background:	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.

Target Details

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.

Molecular Weight: 40 kDa

Gene ID: 1676

UniProt: [O00273](#)

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: WB: 4-6 µg/mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: PBS containing 0.05 % BSA, PH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

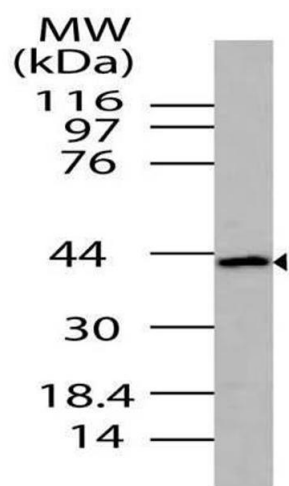


Image 1.