

Datasheet for ABIN2855675  
**anti-DFFA antibody**



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1 Image

## Overview

Quantity:	100 µL
Target:	DFFA
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ICAD. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to ICAD (DNA fragmentation factor, 45 kDa, alpha polypeptide) ICAD antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	DFFA
Alternative Name:	DNA fragmentation factor subunit alpha ( <a href="#">DFFA Products</a> )

## Target Details

**Background:** Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Cellular Localization: Cytoplasm

**Molecular Weight:** 37 kDa

**Gene ID:** 1676

**UniProt:** [O00273](#)

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

## Application Details

**Application Notes:** WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

**Comment:** Positive Control: 293T , Jurkat

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** 1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

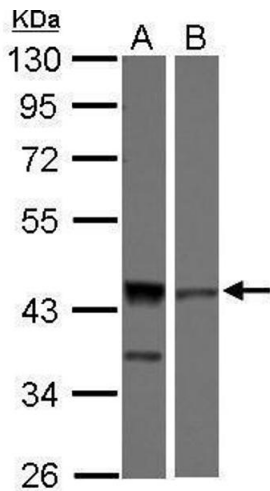
**Storage:** 4 °C,-20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: 293T B: Jurkat 10% SDS PAGE antibody diluted at 1:1000