

# DFFA Rabbit Polyclonal Antibody



CAB12431

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

35kDa/45kDa

### Calculated MW:

29kDa/36kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

1676

### Uniprot

O00273

### Synonyms:

DFFA; DFF-45; DFF1; ICAD

### Immunogen:

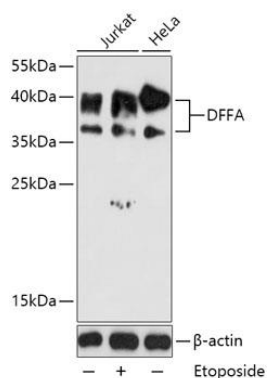
Recombinant fusion protein containing a sequence corresponding to amino acids 1-331 of human DFFA (NP\_004392.1).

### Storage:

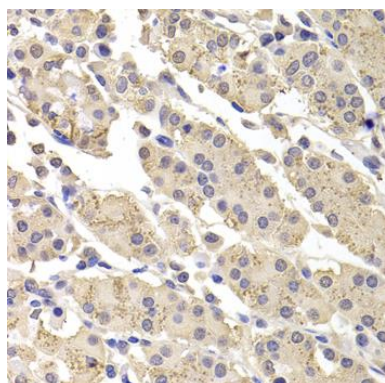
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

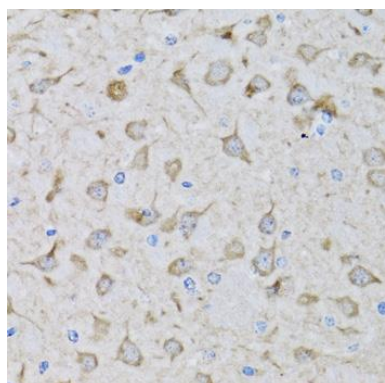
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Western blot analysis of extracts of various cell lines, using DFFA antibody (CAB12431) at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human stomach using DFFA antibody (CAB12431) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using DFFA antibody (CAB12431) at dilution of 1:100 (40x lens).