

**DFFA Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9286b**

**Specification**

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**DFFA Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O00273</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36522
Antigen Region	304-331

**DFFA Antibody (C-term) - Additional Information**

**Gene ID** 1676

**Other Names**

DNA fragmentation factor subunit alpha, DNA fragmentation factor 45 kDa subunit, DFF-45, Inhibitor of CAD, ICAD, DFFA, DFF1, DFF45

**Target/Specificity**

This DFFA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-331 amino acids from the C-terminal region of human DFFA.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DFFA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DFFA Antibody (C-term) - Protein Information**

**Name** DFFA

**Synonyms** DFF1, DFF45

**Function** Inhibitor of the caspase-activated DNase (DFF40).

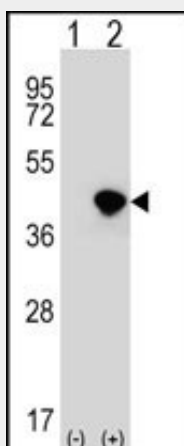
**Cellular Location**  
Cytoplasm.

### DFFA Antibody (C-term) - Protocols

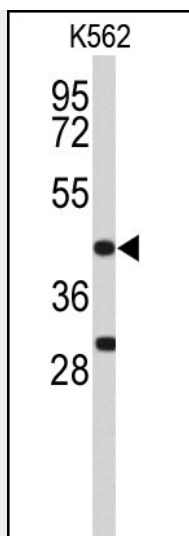
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### DFFA Antibody (C-term) - Images



Western blot analysis of DFFA (arrow) using rabbit polyclonal DFFA Antibody (C-term) (Cat. #AP9286b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DFFA gene.



Western blot analysis of DFFA Antibody (C-term) (Cat. #AP9286b) in K562 cell line lysates (35ug/lane). DFFA (arrow) was detected using the purified Pab.

#### **DFFA Antibody (C-term) - Background**

DFFA 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.

#### **DFFA Antibody (C-term) - References**

Ninios,Y.P., et.al., Apoptosis 15 (2), 128-138 (2010)  
Banas,T., et.al., Eur. J. Obstet. Gynecol. Reprod. Biol. 146 (1), 87-91 (2009)  
Trynka,G., et.al., Gut 58 (8), 1078-1083 (2009)