

DFFA Polyclonal Antibody

Catalog No: #27370

Package Size: #27370-1 50ul #27370-2 100ul

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Description

Product Name	DFFA Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Hu,Ms,Rt
Immunogen Description	Recombinant fusion protein of human DFFA (NP_004392.1).
Other Names	DFFA; DFF-45; DFF1; ICAD; DNA fragmentation factor subunit alpha
Accession No.	Swiss-Prot#:O00273NCBI Gene ID:1676
Calculated MW	35kDa, 45kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:100

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.