

DFFB Rabbit pAb

Catalog # AP99049

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q54788
Other Accession	Q54788
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39449
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse DFF-40 beta
Epitope Specificity	201-260/344
Isotype	IgG
Purity	affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY Contains 1 CIDE-N domain.

SUBUNIT Heterodimer of DFFA and DFFB. Interacts with HIST1H1A.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions 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. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of these variants has not been determined. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	13368
Other Names	CAD; CPAN; DFF-40; DFF2; DFF40; 40kDa; 5730477D02Rik; Didff; DFFB_HUMAN; DFFB; Caspase-activated deoxyribonuclease (CAD Caspase-activated DNase); Caspase-activated nuclease (CPAN); DNA fragmentation factor 40 kDa subunit (DFF-40); 3.-.-.; DFFB_MOUSE; DFFB_RAT; DNA fragmentation factor subunit beta; DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase); caspase-activated DNase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	Dffb
Synonyms	Cad
Function	Nuclease that induces DNA fragmentation and chromatin condensation during apoptosis. Degrades naked DNA and induces apoptotic morphology.
Cellular Location	Cytoplasm. Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.