OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP51245PU-N

DFFB (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow Cytometry:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human DFFB / CAD.
Specificity:	This antibody recognizes Human DFFB / CAD (N-term).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	DNA fragmentation factor subunit beta
Database Link:	Entrez Gene 1677 Human O76075

View online »

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

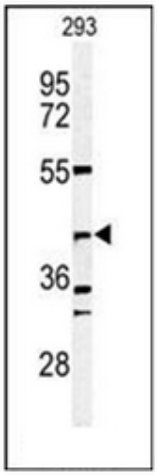
Synonyms: DFF2, CPAN, DFF-40, DFF40

Note: **Molecular Weight:** 39110 Da

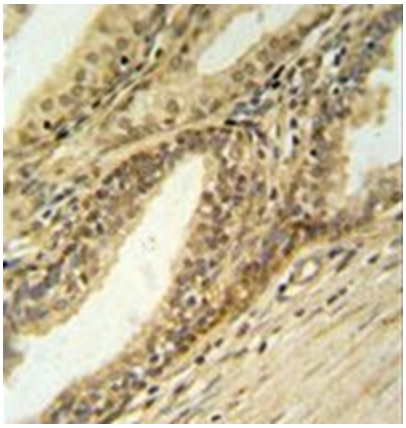
Protein Families: Druggable Genome

Protein Pathways: Apoptosis

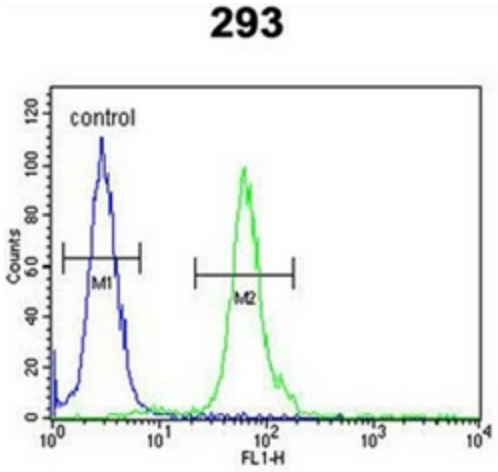
Product images:



Western blot analysis of DFFB / CAD Antibody (N-term) in 293 cell line lysates (35ug/lane). DFFB (arrow) was detected using the purified Pab.



Formalin fixed and paraffin embedded prostate carcinoma reacted with DFFB / CAD Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Flow cytometric analysis of 293 cells using DFFB / CAD Antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.