

Product datasheet for **AP51244PU-N**

ICAD (DFFA) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 302~331 amino acids from the C-terminal region of Human DFFA / ICAD.
Specificity:	This antibody recognizes Human DFFA / ICAD (C-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 alpha
Database Link:	Entrez Gene 1676 Human O00273



[View online »](#)

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.

Synonyms:

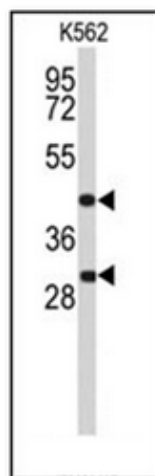
DFF1, DFF45, DFF-45

Note:

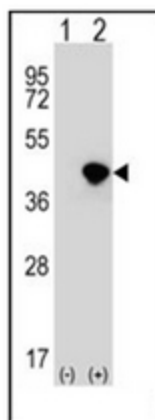
Molecular Weight: 36522 Da (Isoform DFF35. 29;411 Da)

Protein Pathways:

Apoptosis

Product images:


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



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