

Datasheet for ABIN951895
anti-DFFA antibody (C-Term)

2 Images



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Overview

Quantity:	0.4 mL
Target:	DFFA
Binding Specificity:	AA 302-331, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 302~331 amino acids from the C-terminal region of Human DFFA / ICAD. Genename: DFFA
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human DFFA / ICAD (C-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	DFFA
Alternative Name:	DFFA / ICAD (DFFA Products)
Background:	DFFA is a cell death process that removes toxic and/or useless cells during mammalian

Target Details

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

Molecular Weight: 36522 Da

Gene ID: 1676

NCBI Accession: [NP_004392](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % Sodium Azide

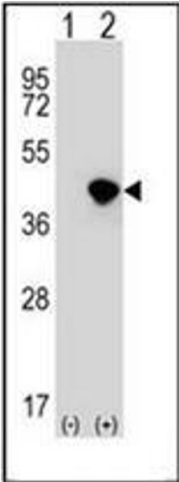
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

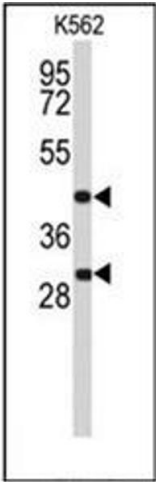
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of DFFA (arrow) using DFFA / ICAD Antibody (C-term) Cat.-No AP51244PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DFFA gene.



Western Blotting

Image 2. Western blot analysis of DFFA / ICAD Antibody (C-term) in K562 cell line lysates (35ug/lane). DFFA (arrow) was detected using the purified Pab.