

Datasheet for ABIN1886851 **anti-DFFA antibody (AA 2-21)**



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	DFFA
Binding Specificity:	AA 2-21
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide corresponding to amino acids 2 to 21 of human DFF45.
Purification:	Purified by DEAE column

Target Details

Target:	DFFA
Alternative Name:	DFF45 (DFFA Products)
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A human 45 kDa DNA fragmentation factor (DFF45) was identified recently that was cleaved by caspase-3 during apoptosis. Mouse homologue of

Target Details

human DFF45 was identified as a DNase inhibitor designated ICAD.DFF45/ICAD have short forms that were termed DFF35 and ICADs, respectively.Upon cleavage of DFF45/ICAD, the caspase activated deoxyribonuclease (DFF40/CAD) is released and activated and eventually causes the degradation of DNA in the nuclei.Therefore, the cleavage of DFF45/ICAD, which causes DFF40/CAD activation and DNA degradation, is the hallmark of apoptotic cell death.

Synonyms: ICAD

Molecular Weight: 45 and 35 kDa

NCBI Accession: [NP_004392](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid freezing and thawing repeatedly.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term use.Store at -20 °C for long term preservation.