Datasheet for ABIN499744

anti-DFFA antibody (N-Term)

1 Image

Go to Product page

Overview

Quantity:	0.1 mg
Target:	DFFA
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human DFF45 (N-Terminus) Peptide
Isotype:	IgG
Specificity:	DFF45 antibody was raised against a peptide corresponding to amino acids 2 to 21 of human DFF45.
Purification:	DEAE

Target Details

Target:	DFFA
Alternative Name:	DFFA / ICAD (DFFA Products)
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their

Target Details

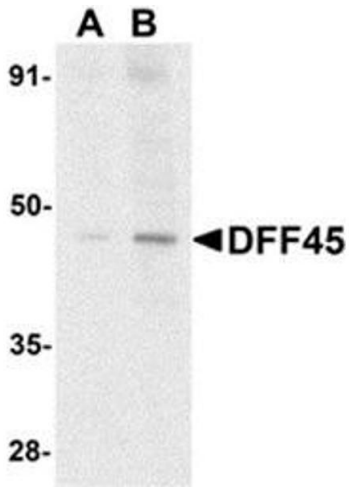
	ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A human 45 kDa DNA fragmentation factor (DFF45) was identified recently that was cleaved by caspase-3 during apoptosis. Mouse homologue of 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: DFF-45, DFF1, DFF45, DNA fragmentation factor 45 kDa subunit, DNA fragmentation factor subunit alpha, Inhibitor of CAD
Gene ID:	1676
NCBI Accession:	NP_004392
UniProt:	O00273
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	ELISA. Western Blot: DFF45 antibody can be used for detection of DFF45, DFF35, and one thecleaved fragment at 1/1000 to 1/2000 dilution.45 and 35 kDa bands can be detected innon-apoptotic cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % 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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of DFF45 in HeLa cell lysate with AP30290PU-N DFF45 antibody at (A) 1 and (B) 2 µg/ml.