

Datasheet for ABIN6990254
anti-DFFA antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	DFFA
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	DFF45 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human DFF45. The immunogen is located within the last 50 amino acids of DFF45.
Isotype:	IgG
Purification:	DFF45 Antibody is Antibody is DEAE purified.

Target Details

Target:	DFFA
Alternative Name:	DFF45 (DFFA Products)
Background:	DFF45 Antibody: 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

Target Details

finally cause the degradation of chromosomal DNA by activated DNase. A human 45 kDa DNA fragmentation factor (DFF45) was identified recently which was cleaved by caspase-3 during apoptosis. Mouse homologue of human DFF45 was identified as a DNase inhibitor designated ICAD. Upon cleavage of DFF45/ICAD, a 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.

Molecular Weight:	45 kDa
Gene ID:	1676
NCBI Accession:	NP_004392
UniProt:	O00273
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	DFF45 antibody can be used for detection of DFF45 and one of the cleaved fragments of DFF45 by Western blot at at 0.5 - 1 µg/mL and for immunoprecipitation. A 45 kDa band can be detected in non-apoptotic cells. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	DFF45 Antibody is supplied in 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:	-20 °C, 4 °C

Handling

Storage Comment: DFF45 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.