

Rabbit anti-Human DFF45 Polyclonal Antibody | anti-DFFA antibody

DFF45 Antibody

CATALOG # AAA40313	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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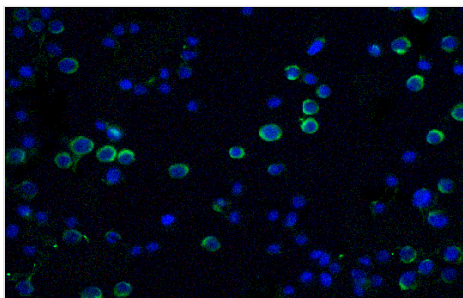
PRODUCT SYNONYMS

DFF45; Polyclonal Antibody; DFF45 Antibody; DFF1; ICAD; DFF-45; H13; DNA fragmentation factor subunit alpha; DNA fragmentation factor 45 kDa subunit; DNA fragmentation factor; 45kDa; alpha polypeptide; anti-DFFA antibody

PRODUCT SPECIFICATIONS

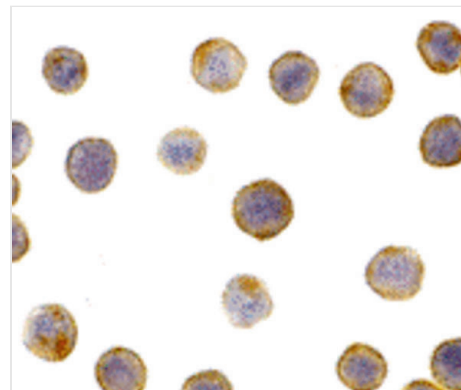
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DFF45 Antibody is Antibody is DEAE purified.
Form/Format	Liquid
Sequence Length	331
Applicable Applications for anti-DFFA antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DFF45 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human DFF45.
Buffer	DFF45 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DFF45 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



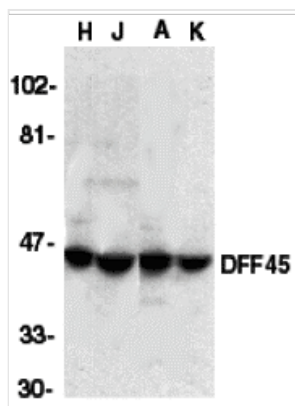
IF (Immunofluorescence)

Immunofluorescence of DFF45 in HeLa cells with DFF45 antibody at 20 μg/mL.Green: DFF45 Antibody (1141)Blue: DAPI staining



ICC (Immunocytochemistry)

Immunocytochemistry of DFF45 in HeLa cells with DFF45 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of DFF45 in HeLa (H), Jurkat (J), A431 (A), and K562 (K) whole cell lysate with DFF45 antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-DFFA antibody

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758148
NCBI GeneID	1676
NCBI Accession #	NP_004392
NCBI GenBank Nucleotide #	NM_004401.2
UniProt Accession #	O00273; Q5T6G5; Q5T6G6; Q96I97; Q9Y6C6
Molecular Weight	45 kDa
NCBI Official Full Name	DNA fragmentation factor subunit alpha isoform 1
NCBI Official Synonym Full Names	DNA fragmentation factor, 45kDa, alpha polypeptide
NCBI Official Symbol	DFFA
NCBI Official Synonym Symbols	DFF1; ICAD; DFF-45
NCBI Protein Information	DNA fragmentation factor subunit alpha; DFF45; inhibitor of CAD; DNA fragmentation factor 45 kDa subunit
UniProt Protein Name	DNA fragmentation factor subunit alpha
UniProt Gene Name	DFFA
UniProt Synonym Gene Names	DFF1; DFF45; DFF-45; ICAD
UniProt Entry Name	DFFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dff45-antibody-immunocytochemistry-western-blot-elisa/40313>