

Rabbit DFF40 Polyclonal Antibody | anti-Dffb antibody

DFF40 Antibody

CATALOG # AAA39571	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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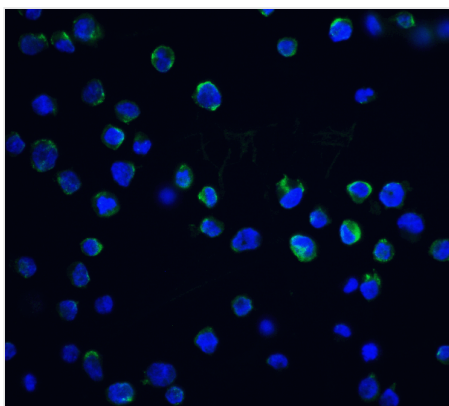
PRODUCT SYNONYMS

DFF40; Polyclonal Antibody; DFF40 Antibody; CAD; CPAN; 40kDa; Didff; 5730477D02Rik; Cad; DNA fragmentation factor subunit beta; Caspase-activated deoxyribonuclease; DNA fragmentation factor; beta subunit; anti-Dffb antibody

PRODUCT SPECIFICATIONS

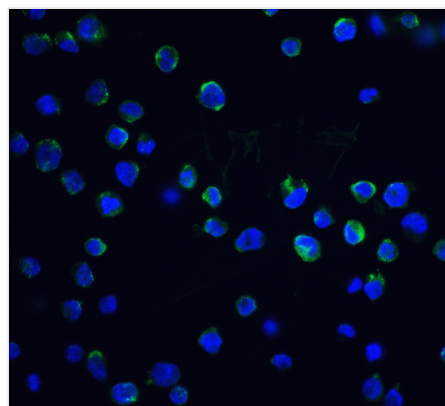
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DFF40 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Sequence Length	344
Applicable Applications for anti-Dffb antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DFF40 antibody was raised against a peptide corresponding to amino acids near the center of murine CAD. The sequence differs from human DFF40 by two amino acids.
Buffer	DFF40 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DFF40 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



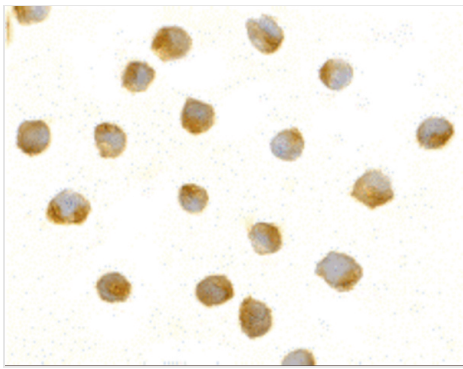
IF (Immunofluorescence)

Immunofluorescence of DFF40 in K562 cells with DFF40 antibody at 20 μg/mL.Green: DFF40 Antibody (2107)Blue: DAPI staining



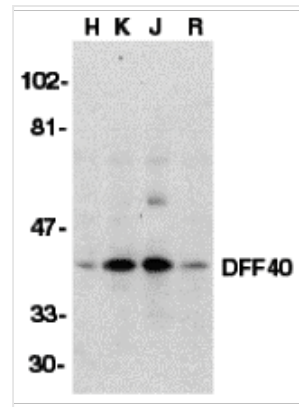
IF (Immunofluorescence)

Immunofluorescence of DFF40 in K562 cells with DFF40 antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of DFF40 in Jurkat cells with DFF40 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of DFF40 in HeLa (H), K562 (K), Jurkat (J), and Raji (R) whole cell lysate with DFF40 antibody (I18) at 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Dffb antibody

DFF40 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 mouse DNase that causes DNA fragmentation was identified recently and designated CAD (for caspase activated deoxyribonuclease). The human homologue of mouse CAD was more recently identified by three groups independently and termed CPAN, DFF40, and human CAD, respectively. DFF45/ICAD is the inhibitory protein of DFF40/CAD and forms complex with DFF40/CAD. Upon cleavage of DFF45/ICAD by activated caspase, DFF40/CAD is released and activated and eventually causes the degradation of DNA in the nuclei. Activation of DFF40/CAD, which causes DNA degradation, is the hallmark of apoptotic cell death.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160948620
NCBI GeneID	13368
NCBI Accession #	NP_031885
NCBI GenBank Nucleotide #	NM_007859.4
UniProt Accession #	O54788
Molecular Weight	40 kDa
NCBI Official Full Name	DNA fragmentation factor subunit beta
NCBI Official Synonym Full Names	DNA fragmentation factor, beta subunit
NCBI Official Symbol	Dffb
NCBI Official Synonym Symbols	CAD; CPAN; 40kDa; DFF40; Didff; 5730477D02Rik
NCBI Protein Information	DNA fragmentation factor subunit beta; DFF-40; caspase-activated DNase; caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit; DNase inhibited by DNA fragmentation factor; DNA fragmentation factor, 40 kD, beta subunit
UniProt Protein Name	DNA fragmentation factor subunit beta
UniProt Gene Name	Dffb
UniProt Synonym Gene Names	Cad; CAD; Caspase-activated DNase; DFF-40
UniProt Entry Name	DFFB_MOUSE

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/dff40-antibody-immunocytochemistry-western-blot-elisa/39571>