

Rabbit DFFB Polyclonal Antibody | anti-DFFB antibody

DFFB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328964	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Zebrafish(83%), Bovine(88%), Horse(88%), Sheep(88%), Dog(88%)	ELISA

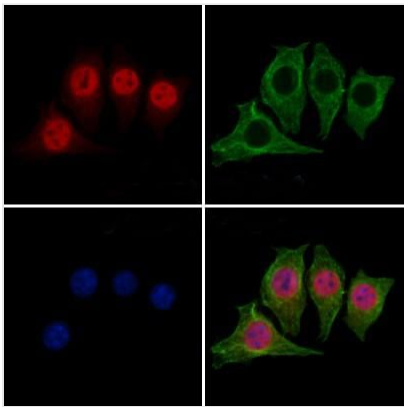
PRODUCT SYNONYMS

DFFB; Polyclonal Antibody; DFFB Antibody; CAD; Caspase activated deoxyribonuclease; Caspase activated DNase; Caspase activated nuclease; Caspase-activated deoxyribonuclease; Caspase-activated DNase; Caspase-activated nuclease; CPAN; Deoxyribonuclease III; caspase activated; DFF 40; DFF-40; DFF2; DFF40; Dffb; DFFB_HUMAN; Didff; DNA fragmentation factor 40 kDa subunit; DNA fragmentation factor subunit beta; DNA fragmentation factor; 40 Da; beta polypeptide (caspase activated DNase); 40 kD beta subunit; 40 kD; beta polypeptide; 40kDa; OTTHUMP0000003633; anti-DFFB antibody

PRODUCT SPECIFICATIONS

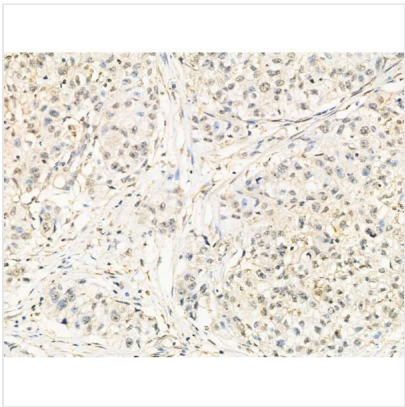
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Zebrafish(83%), Bovine(88%), Horse(88%), Sheep(88%), Dog(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	DFFB Antibody detects endogenous levels of total DFFB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	82
Applicable Applications for anti-DFFB antibody	ELISA
Immunogen	A synthesized peptide derived from human DFFB, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



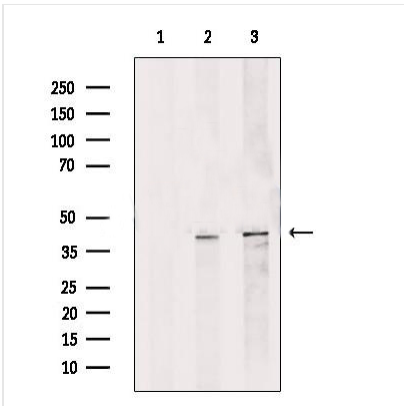
IF (Immunofluorescence)

AAA328964 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328964) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA328964 at 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using DFFB Antibody. Lane 1: 293t, treated with blocking peptide; Lane 2: 293t; Lane 3: HepG2 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-DFFB antibody	Function: Nuclease that induces DNA fragmentation and chromatin condensation during apoptosis. Degrades naked DNA and induces apoptotic morphology.
	Subcellular Location: Cytoplasm. Nucleus.
	Subunit Structure: Heterodimer of DFFA and DFFB (PubMed:11371636). Interacts with H1-1 (PubMed:19882353).

NCBI AND UNIPROT INFORMATION

NCBI GI #	37962942
NCBI GeneID	1677
UniProt Accession #	O76075
Molecular Weight	Observed Molecular Weight: (Observed)39kD. Predicted Molecular Weight: (Calculated)39kDa.
NCBI Official Full Name	c-truncated caspase-activated DNase
NCBI Official Synonym Full Names	DNA fragmentation factor subunit beta

NCBI Official Symbol	DFFB
NCBI Official Synonym Symbols	CAD; CPAN; DFF2; DFF40; DFF-40
NCBI Protein Information	DNA fragmentation factor subunit beta
UniProt Protein Name	DNA fragmentation factor subunit beta
UniProt Gene Name	DFFB
UniProt Synonym Gene Names	CAD; DFF2; DFF40; CAD; Caspase-activated DNase; CPAN; DFF-40
UniProt Entry Name	DFFB_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/dffb-antibody-elisa/328964>