

DFFB rabbit pAb

Cat No.:ES16956

For research use only

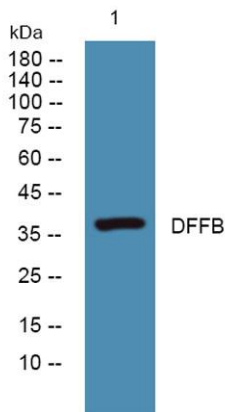
Overview

Product Name	DFFB rabbit pAb
Host species	Rabbit
Applications	IHC;IF;WB
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	IHC-p 1:50-200, WB 1:500-2000
Immunogen	Synthesized peptide derived from human DFFB
Specificity	This antibody detects endogenous levels of human DFFB
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	DFFB
Gene Name	DFFB CAD DFF2 DFF40
Cellular localization	Cytoplasm. Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	37kD
Human Gene ID	1677
Human Swiss-Prot Number	O76075
Alternative Names	DNA fragmentation factor subunit beta (EC 3.-.-.;Caspase-activated deoxyribonuclease;CAD;Caspase-activated DNase;Caspase-activated nuclease;CPAN;DNA fragmentation factor 40 kDa subunit;DFF-40)

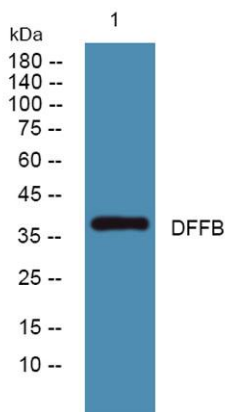
Background Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor



(DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of some of these variants has not been determined. [provided by RefSeq, Sep 2013],



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night

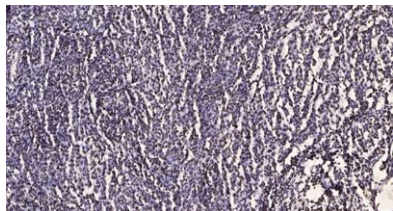


Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night





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Immunohistochemical analysis of paraffin-embedded human brain tumor. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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