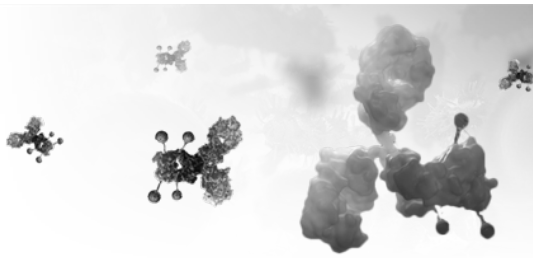

Anti-DFFB (aa 229-338) polyclonal antibody (DPAB-DC731)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	DFFB (NP_004393, 229 a.a. ~ 338 a.a) partial recombinant protein with GST tag. The sequence is PFDMDSCLSRHSINPYSNRESRILFSTWNLDHIIEKKRTIIPTLVEAIKEQDGREVDWEY FYGLLFTSENLKLVHIVCHKKTTHKLNCDPSRIYKPQTRLKRKQPVRKRQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DFFB DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase) [Homo sapiens (human)]
Official Symbol	DFFB
Synonyms	DFFB; DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase); CAD; CPAN; DFF2; DFF40; DFF-40; DNA fragmentation factor subunit beta; caspase-activated DNase; caspase-activated nuclease; caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit;
Entrez Gene ID	1677
Protein Refseq	NP_001269598
UniProt ID	B4DZS0
Chromosome Location	1p36.3
Pathway	Activation of DNA fragmentation factor; Apoptosis; Apoptosis induced DNA fragmentation; Caspase cascade in apoptosis
Function	DNA binding; deoxyribonuclease activity; enzyme binding; nicotinate phosphoribosyltransferase activity

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