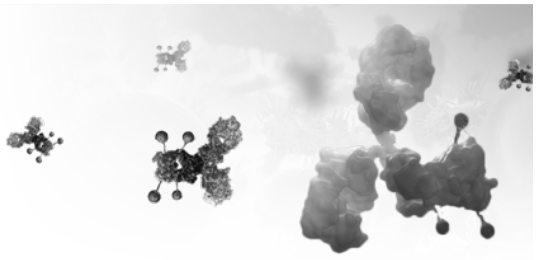

Human DFFA blocking peptide (DAG-P0663)

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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	BL, WB
Sequence Similarities	Contains 1 CIDE-N domain.
Format	Liquid
Buffer	PBS with 0.1% BSA 0.02% sodium azide pH7.2
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. PBS with 0.1% BSA 0.02% sodium azide pH7.2

GENE INFORMATION

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Gene Name	DFFA DNA fragmentation factor, 45kDa, alpha polypeptide [Homo sapiens (human)]
Official Symbol	DFFA
Synonyms	DFFA; DNA fragmentation factor, 45kDa, alpha polypeptide; DFF1; ICAD; DFF-45; DNA fragmentation factor subunit alpha; DFF45; inhibitor of CAD; DNA fragmentation factor 45 kDa subunit;
Entrez Gene ID	1676
mRNA Refseq	NM_004401.2
Protein Refseq	NP_004392.1
UniProt ID	O00273
Chromosome Location	1p36.3-p36.2
Pathway	Activation of DNA fragmentation factor, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; FAS pathway and Stress induction
Function	protein binding;

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