



Catalog: OM105172

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Rabbit anti-DFFA polyclonal antibody - N-terminal region

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☐ 100ug

Product profile

Product name	Rabbit anti-DFFA polyclonal antibody - N-terminal region
Antibody Type	Primary Antibodies
Immunogen	The immunogen for anti-DFFA antibody: synthetic peptide directed towards the N terminal of human DFFA

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB
Species Reactivity	Bovine Dog Guinea Pig Human Mouse Rat
Concentration	1 mg/ml
Purification	Protein A

Target Information

Gene Symbol	DFFA
Gene Synonyms	DFF-45; DFF1; Ion ChannelAD; ICAD
Gene Full Name	DNA fragmentation factor, 45kDa, alpha polypeptide
Gene Summary	<p>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. Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development.</p>

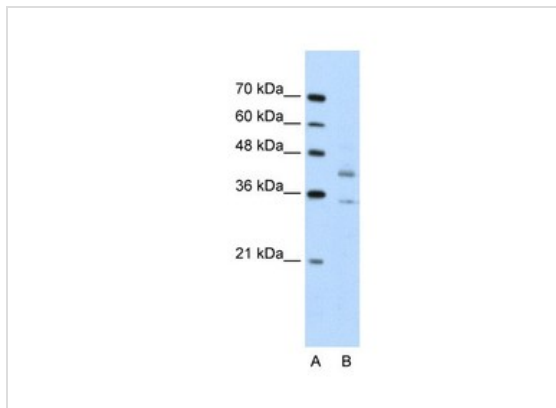
process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) 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.

Alternative Names	DFF-45, DFF1, Ion ChannelAD, ICAD
Molecular Weight(MW)	37kDa
Sequence	331 amino acids

Database Links

Entrez Gene	1676
SwissProt ID	O00273
Protein Accession	NP_004392

Application



Western blot
5.0ug/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

Application Notes	WB: 1:500~1:2000 Notes: Optimal dilutions/concentrations should be determined by the researcher.
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Additional Information

Form	Liquid
Storage Instructions	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt
