

For Research Use Only

DFFA,DFF45 Monoclonal antibody

Catalog Number:68177-1-Ig



Basic Information

Catalog Number: 68177-1-Ig	GenBank Accession Number: BC000037	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1676	CloneNo.: 1F6H9
Source: Mouse	UNIPROT ID: O00273	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: DNA fragmentation factor, 45kDa, alpha polypeptide	
Immunogen Catalog Number: AG32657	Calculated MW: 37 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:
WB : LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

Background Information

Apoptosis is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF), heterodimer of 40-kDa (DFFB) and 45-kDa (DFFA) subunits, is one of the major endonucleases responsible for internucleosomal DNA cleavage during apoptosis. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF activated after cleavage of DFFA by caspase-3 followed by its dissociation from DFFB. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. DFFA appears to be a 45-kDa protein despite the predicated MW of 37 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

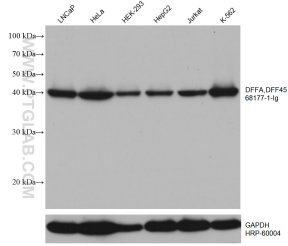
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68177-1-Ig (DFFA, DFF45 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.