

For Research Use Only

DFFA,DFF45 Recombinant antibody

Catalog Number:85220-5-RR



Basic Information

Catalog Number: 85220-5-RR	GenBank Accession Number: BC000037	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1676	CloneNo.: 242915D6
Source: Rabbit	UNIPROT ID: O00273	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG	Full Name: DNA fragmentation factor, 45kDa, alpha polypeptide	
Immunogen Catalog Number: AG0244	Calculated MW: 37 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, rat	WB : HeLa cells, A549 cells, HEK-293 cells, K-562 cells, MCF-7 cells, C6 cells, rat brain tissue IF/ICC : HeLa 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.

Storage

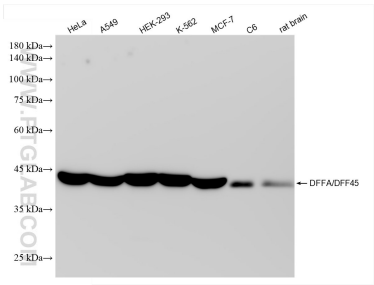
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

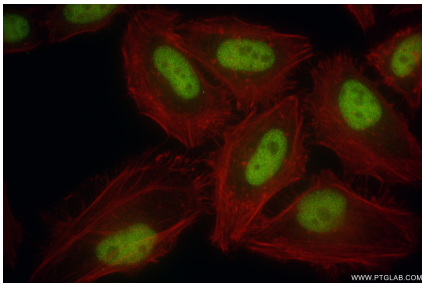
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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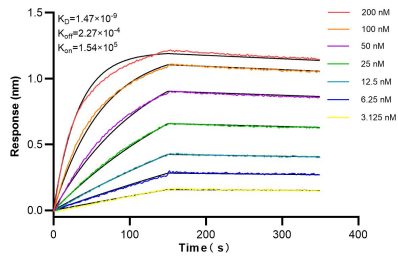
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85220-5-RR (DFFA,DFF45 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DFFA,DFF45 antibody (85220-5-RR, Clone: 242915D6) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85220-5-RR against Human DFFA,DFF45 were performed. The affinity constant is 1.47 nM.