

For Research Use Only

DFFA,DFF45 Recombinant antibody, PBS Only

Catalog Number:85220-5-PBS



Basic Information

Catalog Number:

85220-5-PBS

Size:

100ug , Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0244

GenBank Accession Number:

BC000037

GeneID (NCBI):

1676

UNIPROT ID:

O00273

Full Name:

DNA fragmentation factor, 45kDa,
alpha polypeptide

Calculated MW:

37 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

242915D6

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

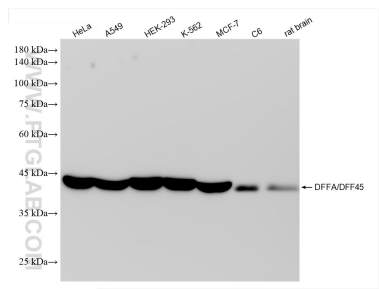
For technical support and original validation data for this product please contact:

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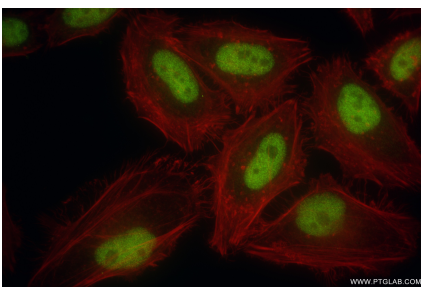
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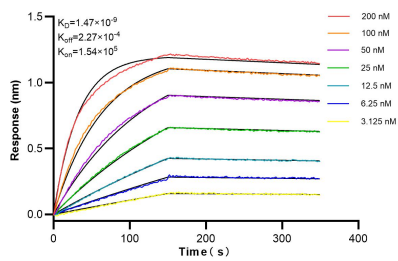
Selected Validation Data



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. This data was developed using the same antibody clone with 85220-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85220-5-PBS in a different storage buffer formulation.



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