

For Research Use Only

DFFA/DFF45 Polyclonal antibody, PBS Only

Catalog Number: 10191-2-PBS

Featured Product



Basic Information

Catalog Number:

10191-2-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:

37 kDa, 45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS Only

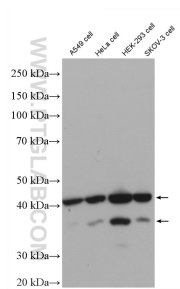
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

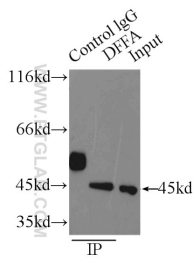
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

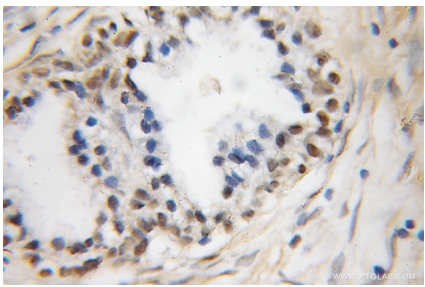
Selected Validation Data



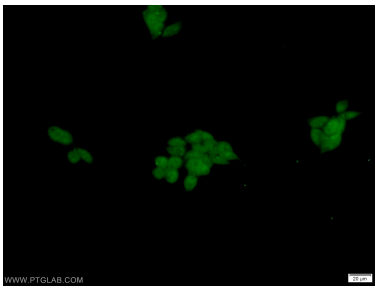
Various lysates were subjected to SDS PAGE followed by western blot with 10191-2-AP (DFF45/DFFA antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10191-2-PBS in a different storage buffer formulation.



IP result of anti-DFF45/DFFA (IP:10191-2-AP, 3ug; Detection:10191-2-AP 1:1000) with HEK-293 cells lysate 2500ug. This data was developed using the same antibody clone with 10191-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10191-2-AP (DFF45/DFFA antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 10191-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HEK-293 cells using 10191-2-AP (DFF45/DFFA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 10191-2-PBS in a different storage buffer formulation.