

DFF45/DFFA Polyclonal Antibody

Catalog number: 10191-2-AP

Size: 30 µg/150 µl

Source: Rabbit

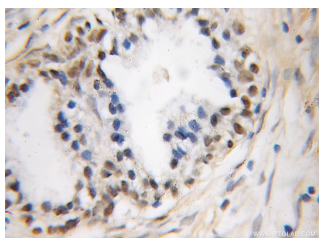
Isotype: IgG

Synonyms:

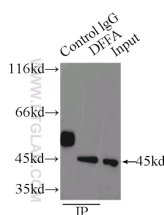
DFFA; DFF 45, DFF1, DFF45,

DFF45/DFFA, DFFA, ICAD,

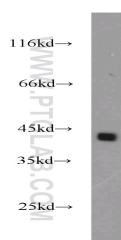
Inhibitor of CAD



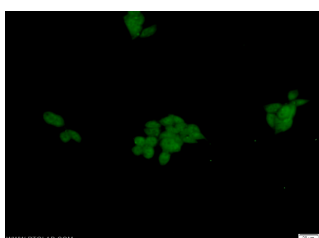
Immunohistochemical of paraffin-embedded human prostate cancer using 10191-2-AP(DFFA,DFF45 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-DFFA,DFF45 (IP:10191-2-AP, 3µg; Detection:10191-2-AP 1:1000) with HEK-293 cells lysate 2500µg.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10191-2-AP(DFFA,DFF45 antibody) at dilution of 1:1000



Immunofluorescent analysis of HEK-293 cells using 10191-

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated DFF45/DFFA MW:	37 kDa
Observed DFF45/DFFA MW:	45kd
Positive WB detected in	HEK-293 cells, HeLa cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human prostate cancer tissue
Positive IF detected in	HEK-293 cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0244
GenBank accession number:	BC000037
Gene ID (NCBI):	1676
Full name:	DNA fragmentation factor, 45kDa, alpha polypeptide

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**2-AP(DFFA,DFF45 Antibody)
at dilution of 1:50 and Alexa
Fluor 488-conjugated
AffiniPure Goat Anti-Rabbit
IgG(H+L)**