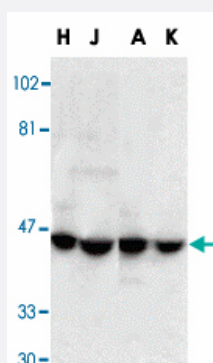


DFFA polyclonal antibody

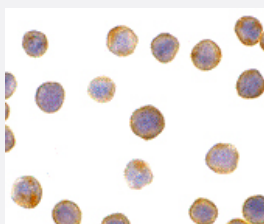
Catalog # PAB13068 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of DFFA in HeLa (H), Jurkat (J), A-431 (A), and K-562 (K) whole cell lysate with DFFA polyclonal antibody (Cat # PAB13068) at 1 : 1000 dilution.



Immunocytochemistry

Immunocytochemistry of DFFA in HeLa cells with DFFA polyclonal antibody (Cat # PAB13068) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DFFA.
Immunogen	A synthetic peptide corresponding to amino acids 313-331 of human DFFA.
Host	Rabbit
Reactivity	Human
Form	Liquid

Recommend Usage	Western Blot (1:1000-1:2000) Immunoprecipitation (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of DFFA in HeLa (H), Jurkat (J), A-431 (A), and K-562 (K) whole cell lysate with DFFA polyclonal antibody (Cat # PAB13068) at 1 : 1000 dilution.

- Immunocytochemistry

Immunocytochemistry of DFFA in HeLa cells with DFFA polyclonal antibody (Cat # PAB13068) at 5 ug/mL .

Gene Info — DFFA

Entrez GeneID	1676
Protein Accession#	NP_004392
Gene Name	DFFA
Gene Alias	DFF-45, DFF1, ICAD
Gene Description	DNA fragmentation factor, 45kDa, alpha polypeptide
Omim ID	601882
Gene Ontology	Hyperlink

Gene Summary

Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations

DFF45|DNA fragmentation factor, 45 kD, alpha polypeptide|DNA fragmentation factor, 45 kD, alpha subunit|OTTHUMP00000001903|OTTHUMP00000001904

Publication Reference

- [The 40-kDa subunit of DNA fragmentation factor induces DNA fragmentation and chromatin condensation during apoptosis.](#)
 Liu X, Li P, Widlak P, Zou H, Luo X, Garrard WT, Wang X.
 PNAS 1998 Jul; 95(15):8461.

 Application: WB-Tr, Human, HEK 293 cells
- [A caspase-activated DNase that degrades DNA during apoptosis, and its inhibitor ICAD.](#)
 Enari M, Sakahira H, Yokoyama H, Okawa K, Iwamatsu A, Nagata S.
 Nature 1998 Jan; 391(6662):43.
- [DFF, a heterodimeric protein that functions downstream of caspase-3 to trigger DNA fragmentation during apoptosis.](#)
 Liu X, Zou H, Slaughter C, Wang X.
 Cell 1997 Apr; 89(2):175.

 Application: WB-Ce, Human, U-937 cells

Pathway

- [Apoptosis](#)

Disease

- [Celiac Disease](#)

- [Genetic Predisposition to Disease](#)