

APAF1 Rabbit pAb

Catalog No.: A0751 **5 Publications**

Basic Information

Observed MW

150kDa

Calculated MW

142kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a cytoplasmic protein that initiates apoptosis. This protein contains several copies of the WD-40 domain, a caspase recruitment domain (CARD), and an ATPase domain (NB-ARC). Upon binding cytochrome c and dATP, this protein forms an oligomeric apoptosome. The apoptosome binds and cleaves caspase 9 preproprotein, releasing its mature, activated form. Activated caspase 9 stimulates the subsequent caspase cascade that commits the cell to apoptosis. Alternative splicing results in several transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

317

Swiss Prot

O14727

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 470-600 of human APAF1 (NP_863651.1).

Synonyms

CED4; APAF-1; APAF1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

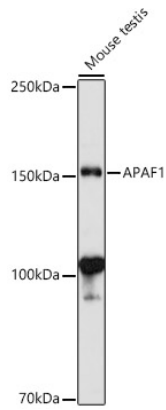
Affinity purification

Storage

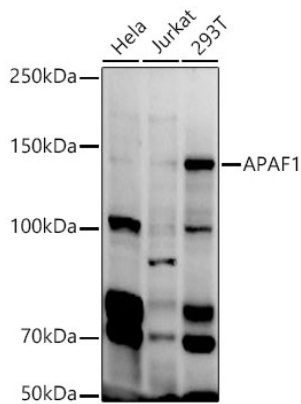
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

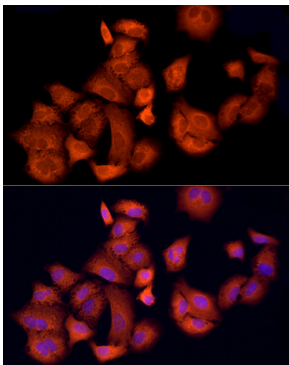
Validation Data



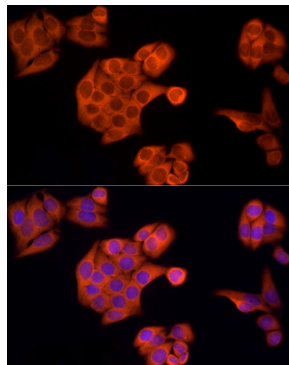
Western blot analysis of extracts of Mouse testis, using APAF1 antibody (A0751) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



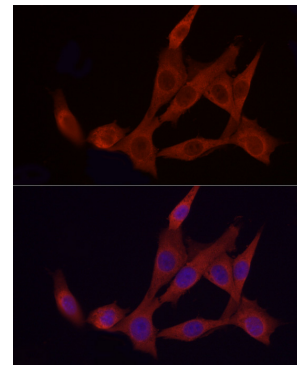
Western blot analysis of extracts of various cell lines, using APAF1 antibody (A0751) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 30s.



Immunofluorescence analysis of A-549 cells using APAF1 Rabbit pAb (A0751) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

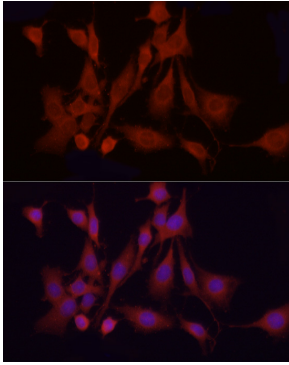


Immunofluorescence analysis of HeLa cells using APAF1 Rabbit pAb (A0751) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using APAF1 Rabbit pAb (A0751) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of PC-12 cells using APAF1 Rabbit pAb (A0751) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.