

## APAF1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:1000

**Calculated MW:** 38kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human APAF1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

CED4; APAF-1

**Catalog #:** A2800

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 317

**Isotype:** IgG

**Swiss Prot:** O14727

**Purity:** Affinity purification

For research use only.

**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.

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