Recombinant APAF1 Monoclonal Antibody

catalog number: **AN301989L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein of human APAF1
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131610
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000
IP	1:20-1:50

Data



Western blot analysis of 293 cell lysates using APAF1 Antibody (AN301989L) at a dilution of 1:1000.

Observed-MW:142 kDa

Calculated-MW:142 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

Apoptotic protease activating factor 1 (Apaf-1), originally identified as the mammalian homolog of the C. elegans apoptotic regulatory protein CED-4, is an important signaling protein involved in the activation of caspase-9 during apoptosis. Cytosolic Apaf-1 forms a complex with caspase-9 in the presence of cytochrome c and dATP, ultimately leading to caspase-9 activation and subsequent activation of caspase-3. The protein contains an amino-terminal CARD domain, a central CED-4 homology domain, and multiple WD-40 repeats at the carboxy terminus. Several isoforms of Apaf-1 are expressed through alternative splicing generating a small insert following the CARD domain as well as an extra WD-40 repeat. Apaf-1 knock-out mice display widespread defects in apoptosis and resistance to a variety of apoptotic stimuli.

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