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**anti-Apaf-1**

Cat #: HM1014  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**APPLICATIONS**

Apaf1 is a cytoplasmic protein that contains a domain with homology to Ced-4. It also 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.

**SPECIFICITY**

This antibody reacts with Apaf-1 of mouse, rat and human origin by Western blotting and immunohistochemistry.

**IMMUNOGEN**

Full-length recombinant Apaf1 protein of human origin.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

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3. Furukawa, Y., Nishimura, N., Furukawa, Y., Satoh, M., Endo, H., Iwase, S., Yamada, H., Matsuda, M., Kano, Y. and Nakamura, M. (2002) Apaf-1 is a mediator of E2F-1-induced apoptosis. *J. Biol. Chem.* 277, 39760-39768.
4. Yajima, H. and Suzuki, F. (2003) Identification of a Bcl-XL binding region within the ATPase domain of Apaf-1. *Biochem. Biophys. Res. Commun.* 309, 520-527.
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