



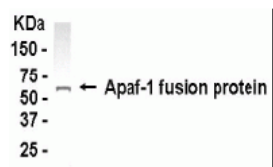
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APAF1 Antibody

CATALOG NUMBER: XW-7034



Western blot analysis of APAF1 with an E coli-derived fusion protein as test antigen, using XW-7034 diluted 1:2,000.

Specifications

SPECIES REACTIVITY:	Human, Mouse
TESTED APPLICATIONS:	WB
APPLICATIONS:	Apaf-1 antibody can be used for the detection of Apaf-1 by Western blot, may also work for IHC and ICC.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
PREDICTED MOLECULAR WEIGHT:	141.8 kDa (calculated)
IMMUNOGEN:	307-388
HOST SPECIES:	Chicken

Properties

PURIFICATION:	Antigen affinity-purified
PHYSICAL STATE:	Liquid
BUFFER:	Phosphate-Buffered Saline. No preservatives added.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	APAF1 antibody can be stored at 4°C for short term (weeks). Long term storage should be at -20°C. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	KIAA0413, Apoptotic protease-activating factor 1/APAF-1, CED4, APAF-1,
ACCESSION NO.:	NP_863658.1
PROTEIN GI NO.:	32483361

OFFICIAL SYMBOL: APAF1

GENE ID: 317

Background

BACKGROUND: Apoptotic protease activating factor 1. Apaf-1 is 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.

REFERENCES: 1) Cecconi,F., Alvarez-Bolado,G., Meyer,B. I., Roth,K. A. and Gruss,P. Apaf1 (CED-4 homolog) regulates programmed cell death in mammalian development. Cell 94 (6), 727-737 (1998),

FOR RESEARCH USE ONLY

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