

Rabbit APAF-1 Polyclonal Antibody | anti-APAF1 antibody

Polyclonal Antibody to APAF-1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78295	Rabbit	Rat, Mouse, Human	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

APAF-1; Polyclonal Antibody; Polyclonal Antibody to APAF-1; APAF1; KIAA0413; Apoptotic protease-activating factor 1; Antibody to APAF-1; Anti-APAF-1 Antibody; APAF-1 Antibody; anti-APAF1 antibody

PRODUCT SPECIFICATIONS

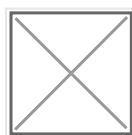
Host	Rabbit
Reactivity	Rat, Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Serum
Form/Format	50 ul sera
Sequence Length	1248
Applicable Applications for anti-APAF1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen Information	A full-length recombinant protein of APAF-1 was used as immunogen for this antibody
Antigen	APAF-1
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



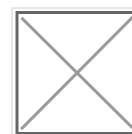
IHC (Immunohistochemistry)

Fig: 3 Formalin-fixed, paraffin-embedded tissue sections of human brain tumors stained for Apaf 1 expression using at 1: 2000. A. Gemistocytoma (grade II). B. Anaplastic glioma. A high level of Apaf 1 was observed in the gemistocytoma whereas a low level was seen in the more malignant anaplastic glioma. Hematoxylin-eosin counterstain.



WB (Western Blot)

Fig: 1 Western blot analysis of Apaf 1 using at 1: 2000. Jurkat: human T-cell leukemia cell line lysate. RS11-846: human B-cell leukemia cell line lysate. Human thymus: tissue lysate.



IHC (Immunohistochemistry)

Fig: 2 Formalin-fixed, paraffin-embedded sections from a human brain tumor tissue microarray stained for Apaf 1 expression using at 1: 2000. A and B. Tissue microarray overview. A1 and B1, higher magnification of cores from A and B, respectively. Differential expression of Apaf 1 is seen between patient samples. Hematoxylin-eosin counterstain.

ADDITIONAL INFORMATION

Related Product Information for anti-APAF1 antibody	Apaf 1 (apoptosis protease-activating factor-1) is a key regulator of the mitochondrial apoptotic pathway, being the central element of the multimeric apoptosome. The apoptosome consists of cytochrome c, procaspase-9 and seven Apaf 1 monomers, and is considered to be core apoptotic machinery that executes mitochondria-dependent apoptosis. Cytochrome c, normally compartmentalized in the mitochondria, is released into the cytoplasm following apoptotic stimuli. Apaf 1 binds cytochrome c in the cytoplasm and in the presence of dATP/ATP forms the apoptosome. The apoptosome binds procaspase-9 and promotes its autocatalytic activation. Active caspase-9, in turn, activates downstream caspases including 3, 6, and 7 contributing to the proteolytic caspase activation cascade which leads to cell death.
Product Categories/Family for anti-APAF1 antibody	Antibodies; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141188
NCBI GeneID	317
UniProt Accession #	O14727; O43297; Q7Z438; Q9BXZ6; Q9UBZ5; Q9UGN8; Q9UGN9; Q9UGP0; Q9UJ58; Q9UJ59; Q9UJ60; B2RMX8
Molecular Weight	37,976 Da
NCBI Official Full Name	Apoptotic protease-activating factor 1
NCBI Official Synonym Full Names	apoptotic peptidase activating factor 1
NCBI Official Symbol	APAF1
NCBI Official Synonym Symbols	CED4; APAF-1
NCBI Protein Information	apoptotic protease-activating factor 1
UniProt Protein Name	Apoptotic protease-activating factor 1
UniProt Gene Name	APAF1
UniProt Synonym Gene Names	KIAA0413; APAF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apaf-1-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/78295>