

Mouse Apaf-1 Monoclonal Antibody | anti-Apaf-1 antibody

Apaf-1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300855	Mouse	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Apaf-1; Monoclonal Antibody; Apaf-1 Monoclonal Antibody; Apaf-1 (2E10); Apoptotic protease activating factor 1; anti-Apaf-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	2E10
Purity/Purification	Immunoaffinity chromatography purified IgG
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1194
Applicable Applications for anti-Apaf-1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	A peptide corresponding to amino acids near the carboxy terminus of human Apaf1.
Target Name	Apaf-1
Preparation and Storage	Can be stored at -20 degree C, stable for one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of Apaf1 in K562 cells with Apaf1 antibody at 0.5 ug/mL.



WB (Western Blot)

Western blot analysis of Apaf1 in K562 cell lysate with Apaf1 antibody at (A) 0.25 and (B) 0.5 mg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Apaf-1 antibody

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. The mammalian homologous of the key cell death gene CED-4 in *C. elegans* was identified recently from human and mouse and designated Apaf1 for apoptosis protease-activating factor 1 (1,2). Apaf1 binds to cytochrome c (Apaf2) and caspase-9 (Apaf3), which leads to caspase-9 activation. Activated caspase-9 in turn cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis. Apaf1 can also associate with caspase-4 and caspase-8. Apaf1 transcript is ubiquitously expressed in human tissues.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2330015
NCBI GeneID	317
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
UniProt Entry Name	APAF_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/apaf-1-antibody-clone-2e10-immunohistochemistry-western-blot-elisa/300855>