

Rat Apoptotic Peptidase Activating Factor 1 (APAF1) ELISA Kit | APAF1 elisa kit

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CATALOG #
AAA63756

REACTIVITY
Rat

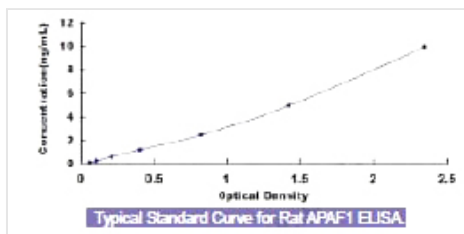
PRODUCT SYNONYMS

Apoptotic Peptidase Activating Factor 1 (APAF1); Rat Apoptotic Peptidase Activating Factor 1 (APAF1) ELISA Kit; CED4; Apoptotic Protease Activating Factor; APAF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of APAF1. No significant cross-reactivity or interference between APAF1 and analogues was observed.
Sequence Length	1249
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APAF1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level APAF1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APAF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APAF1 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APAF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APAF1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain APAF1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of APAF1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13027436
NCBI GeneID	78963
NCBI Accession #	NP_076469.1
NCBI GenBank Nucleotide #	NM_023979.1
UniProt Accession #	Q9EPV5
Molecular Weight	141,152 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 Protein Information	apoptotic protease-activating factor 1
UniProt Protein Name	Apoptotic protease-activating factor 1
UniProt Gene Name	Apaf1
UniProt Synonym Gene Names	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/rat-elisa-kits/apoptotic-peptidase-activating-factor-1-apaf1/63756>