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APAF1

Purified Mouse Monoclonal Antibody
Catalog # AO2729a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	O14727
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2H9G5
Isotype	Mouse IgG2b
Calculated MW	141840
Immunogen	Purified recombinant fragment of human APAF1 (AA: 1138-1237) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	317
Other Names	CED4; APAF-1
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	APAF1 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	APAF1 (HGNC:576)
Synonyms	KIAA0413
Function	Oligomeric Apaf-1 mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9 (Apaf-3), leading to the activation of caspase-3 and apoptosis. This activation requires ATP. Isoform 6 is less effective in inducing apoptosis.
Cellular Location	Cytoplasm.

Tissue Location	Ubiquitous. Highest levels of expression in adult spleen and peripheral blood leukocytes, and in fetal brain, kidney and lung. Isoform 1 is expressed in heart, kidney and liver

References

1.Tumour Biol. 2014 Mar;35(3):2211-8.2.Cancer Sci. 2011 Jan;102(1):267-74.

Images

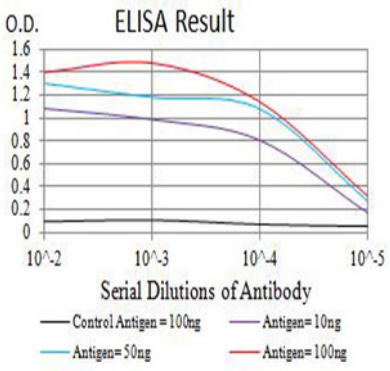


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

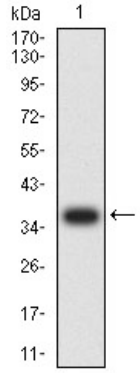


Figure 2:Western blot analysis using APAF1 mAb against human APAF1 (AA: 1138-1237) recombinant protein. (Expected MW is 37 kDa)

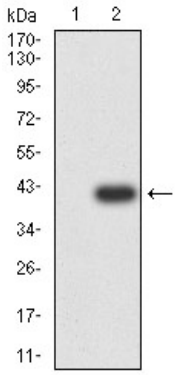
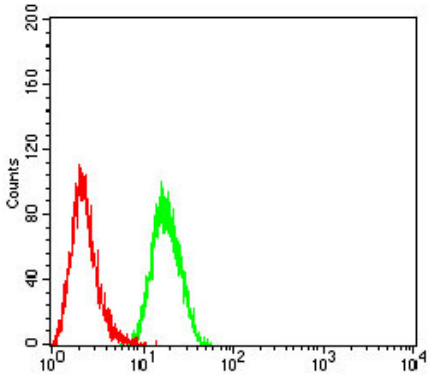


Figure 3:Western blot analysis using APAF1 mAb against HEK293 (1) and APAF1 (AA: 1138-1237)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of Hela cells using APAF1 mouse mAb (green) and negative control (red).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.