

APAF-1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50980

Product Information

Application	WB, ICC, IHC-P
Primary Accession	O14727
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141840

Additional Information

Gene ID	317
Other Names	Apoptotic protease-activating factor 1, APAF-1, APAF1, KIAA0413
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human APAF-1-ALT. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

Background

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.

References

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Hu Y.,et al.EMBO J. 18:3586-3595(1999).

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