

# APAF-1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP50980

## Product Information

---

<b>Application</b>	WB, ICC, IHC-P
<b>Primary Accession</b>	<a href="#">O14727</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	141840

## Additional Information

---

<b>Gene ID</b>	317
<b>Other Names</b>	Apoptotic protease-activating factor 1, APAF-1, APAF1, KIAA0413
<b>Dilution</b>	WB~1:1000 ICC~~N/A IHC-P~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

---

<b>Name</b>	APAF1 ( <a href="#">HGNC:576</a> )
<b>Synonyms</b>	KIAA0413
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	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

---

- Zou H.,et al.Cell 90:405-413(1997).  
Hahn C.,et al.Biochem. Biophys. Res. Commun. 261:746-749(1999).  
Saleh A.,et al.J. Biol. Chem. 274:17941-17945(1999).  
Hu Y.,et al.EMBO J. 18:3586-3595(1999).  
Ogawa T.,et al.Biochem. Biophys. Res. Commun. 306:537-543(2003).

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