

**APAF1 / APAF-1 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12780****Specification**

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**APAF1 / APAF-1 Antibody (C-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O14727</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 142kDa KDa             |

**APAF1 / APAF-1 Antibody (C-Terminus) - Additional Information****Gene ID** 317**Other Names**

Apoptotic protease-activating factor 1, APAF-1, APAF1, KIAA0413

**Reconstitution & Storage**

Store at 2°C to 8°C degrees. Do not freeze.

**Precautions**

APAF1 / APAF-1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**APAF1 / APAF-1 Antibody (C-Terminus) - 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

**Volume**

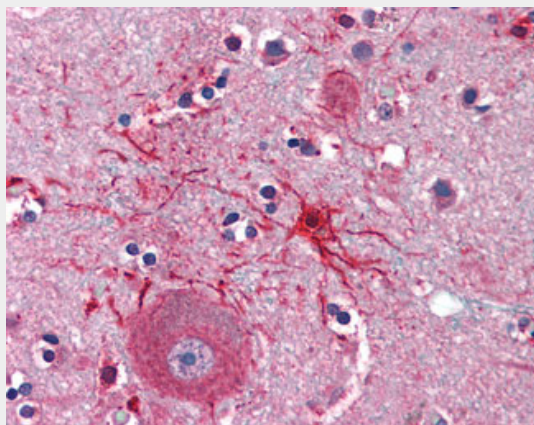
250 µl

## **APAF1 / APAF-1 Antibody (C-Terminus) - Protocols**

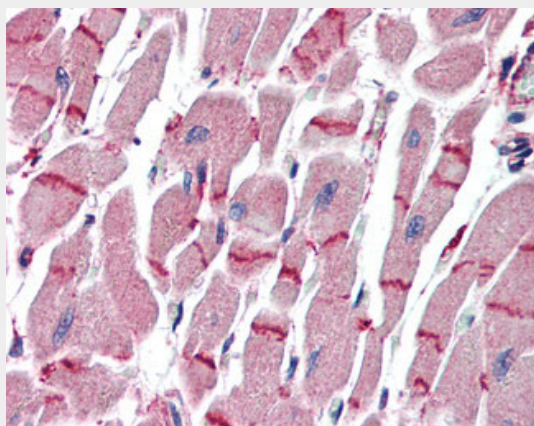
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **APAF1 / APAF-1 Antibody (C-Terminus) - Images**



Anti-APAF1 / APAF-1 antibody IHC of human brain, cortex.



Anti-APAF1 / APAF-1 antibody IHC of human heart.

## **APAF1 / APAF-1 Antibody (C-Terminus) - 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.

## **APAF1 / APAF-1 Antibody (C-Terminus) - 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).