

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin)
Rat Monoclonal Antibody
Catalog # ALS17235**Specification**

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - Product Information

Application	IHC-P, WB
Primary Accession	O14727
Other Accession	317
Reactivity	Human
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Calculated MW	141840

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - Additional Information**Gene ID** [317](#)**Other Names**

APAF1, APAF-1, CED4, KIAA0413

Target/Specificity

Recognizes the CARD domain of human Apaf-1. Does not cross-react with mouse or rat Apaf-1.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) is for research use only and not for use in diagnostic or therapeutic procedures.

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - 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

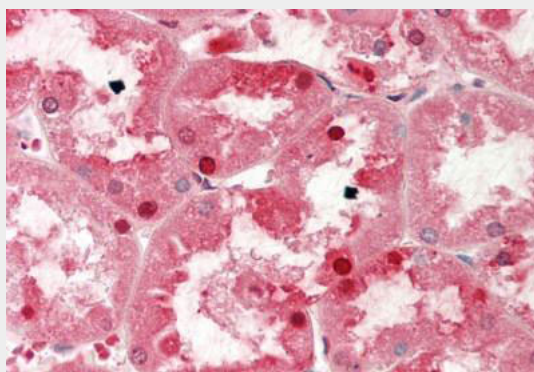
fetal brain, kidney and lung. Isoform 1 is expressed in heart, kidney and liver

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - Protocols

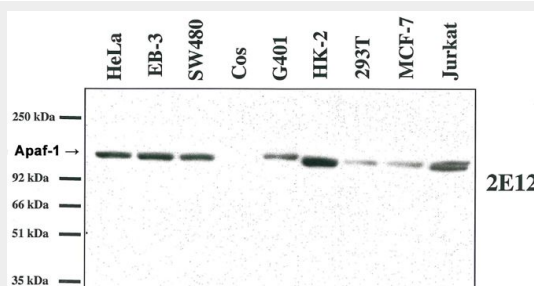
Provided below are standard protocols that you may find useful for product applications.

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

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - Images



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis using anti-Apaf-1 (human), MAb (2E12) on several human cell lines and one...

APAF1 / APAF-1 Antibody (aa1-464, clone 2E12, Low Endotoxin) - 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 (aa1-464, clone 2E12, Low Endotoxin) - 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).

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