

Datasheet: AHP487

Description:	RABBIT ANTI APAF1 (aa12-28)
Specificity:	APAF1 (aa12-28)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			1/1000 - 1/2000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human Apaf-1 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide corresponding to amino acids 12-28 of human Apaf1.

External Database Links	UniProt: O14727 Related reagents Entrez Gene: 317 APAF1 Related reagents
Synonyms	KIAA0413
Specificity	Rabbit anti Apaf1 antibody recognizes Apaf1 (Apoptosis protease activating factor 1), the mammalian homologue of the CED-4 cell death protein in <i>C. Elegans</i> . Apaf1 binds to cytochrome C and caspase-9 leading to caspase-9 activation, resulting in the beginning of the proteolytic cascade characteristic of apoptosis. Apaf1 can also associate with caspase-4 and caspase-8. Rabbit anti Apaf1 antibody (AHP487) recognizes a ~130 kDa band in western blots.
Further Reading	1. Zou, H. <i>et al.</i> (1997) Apaf-1, a human protein homologous to <i>C. elegans</i> CED-4, participates in cytochrome c-dependent activation of caspase-3. Cell 90: 405-413. 2. Cecconi, F. <i>et al.</i> (1998) Apaf-1 (CED-4 homologue) regulates programmed cell death in mammalian development. Cell 94: 727-737. 3. Hu, Y. <i>et al.</i> (1998) Bcl-XL interacts with Apaf-1 and inhibits Apaf-1 dependent caspase-9 activation. Proc. Natl. Acad. Sci. USA. 95: 4386-4391.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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