

Datasheet: AHP579

Description:	RABBIT ANTI HUMAN AIF (aa109-122)
Specificity:	AIF (aa109-122)
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			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting (1)	■			1 / 500

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) **AHP579 is suitable for western blotting under non-reducing conditions only.**

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to AIF (NT) were raised by repeated immunisation of rabbit with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide corresponding to amino acids 109 - 122 of human AIF (NT).
External Database Links	UniProt: O95831 Related reagents

Entrez Gene:[9131](#) AIFM1 [Related reagents](#)

Synonyms	AIF, PDCD8
Specificity	Rabbit anti Human AIF antibody recognizes human apoptosis-inducing factor 1, mitochondrial, also known as AIF or programmed cell death protein 8. Human AIF is a 613 amino acid mitochondrial protein bearing a 54 amino acid N-terminal transit peptide and a 47 amino acid propeptide region adjacent. The mature peptide is a 512 amino acid ~67 kDa mitochondrial intermembrane space protein formed during apoptosis. Rabbit anti Human AIF antibody reacts with the N-terminal region of the mature protein. AIF is widely expressed in human tissues and is released to the cytoplasm and then translocates to the nucleus on certain death signals where it is involved in the induction of nuclear apoptosis (Kim et al. 2006).
Further Reading	1. Susin. S.A. <i>et al.</i> (1999) Molecular characterization of mitochondrial apoptosis - inducing factor. Nature. 397: 441-6.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. 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

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