

Datasheet: AHP578

BATCH NUMBER 060514

Description:	RABBIT ANTI AIF (aa517-531)
Specificity:	AIF (aa517-531)
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)	▪			10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.25ug/ml - 1ug/ml

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: Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation Antisera to AIF 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
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Preservative Stabilisers	0.02% Sodium Azide
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Peptide corresponding to amino acids 517 - 531 of human AIF.
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External Database Links	UniProt: O95831 Related reagents Entrez Gene: 9131 AIFM1 Related reagents
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Synonyms	AIF, PDCD8
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RRID	AB_323410
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Specificity	<p>Rabbit anti Human AIF antibody recognizes human Apoptosis-inducing factor 1, mitochondrial, also known as Programmed cell death protein 8 or apoptosis inducing factor (AIF). AIF is a 613 amino acid member of the FAD-dependent oxidoreductase family. Rabbit anti Human AIF antibody reacts with an internal region of AIF (within the region aa 517-531. AIF is widely expressed in human tissues and localizes in the mitochondria. AIF translocates to the nucleus upon induction of apoptosis. Multiple isoforms of AIF are generated by alternative splicing. Rabbit anti Human AIF antibody recognizes isoforms 1, 2,3 and 5. It is not expected to recognize either isoforms 4 or 6 as they lack the immunogen sequence.</p> <p>Mutations in the AIFM1 can result in various disease conditions including COXPD6 and Cowchock syndrome.</p>
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Further Reading	1. Susin. S.A. <i>et al.</i> (1999) Molecular characterization of mitochondrial apoptosis - inducing factor. Nature. 397: 441-6.
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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.
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Guarantee	12 months from date of despatch
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**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP578>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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