

Datasheet: AHP1617

BATCH NUMBER 160287

Description:	RABBIT ANTI HUMAN PAI-1
Specificity:	PAI-1
Other names:	SERPINE1
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	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product 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 product 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
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antiserum to human PAI-1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human PAI-1
External Database Links	<p>UniProt: P05121 Related reagents</p> <p>Entrez Gene: 5054 SERPINE1 Related reagents</p>
Synonyms	PAI1, PLANH1
RRID	AB_2187035
Specificity	<p>Rabbit anti Human PAI-1 antibody recognises human PAI-1, also known as plasminogen activator inhibitor-1 or SERPINE1. PAI-1 is a ~45 kDa serine protease inhibitor and member of the serpin family, which acts as the primary inhibitor of tissue plasminogen activator (tPA) and urokinase plasminogen activator (uPA), and hence fibrinolysis.</p> <p>Mutations of the SERPINE1 gene are associated with Plasminogen activator inhibitor-1 deficiency (PAI-1D), a condition characterized by episodes of severe hemorrhage (Saes et al. 2019). Heterozygous carriers of the mutation do not display the same phenotype, instead demonstrate longer telomere length, lower incidence of diabetes and increased longevity (Khan et al. 2017).</p> <p>Increased levels of PAI-1 are associated with diabetes, cardiovascular disease and an increased occurrence of thrombosis in obesity, and can be induced by obesity related factors including insulin, glucose and very-low-density lipoprotein (Altalhi et al. 2021).</p>
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	6 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10162 available at:

Information <https://www.bio-rad-antibodies.com/SDS/AHP1617>
10162

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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