

Datasheet: VPA00047

Description:	GOAT ANTI PAI-1
Specificity:	PAI-1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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
Immunohistology - Paraffin	▪			
ELISA	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	0.5 mg/ml
Immunogen	Peptide with sequence C-GFKIDDKGMAPALRH, corresponding to the internal region of PAI-1.

External Database Links	UniProt: P05121 Related reagents Entrez Gene: 5054 SERPINE1 Related reagents
Synonyms	PAI1, PLANH1
Specificity	<p>Goat anti Human PAI-1 antibody recognizes human plasminogen activator inhibitor 1 (PAI-1), also known as Serpin E1. PAI-1 is a 402 amino acid serine protease inhibitor and the principle inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA)</p> <p>PAI-1 is present in plasma, platelets and endothelial cells, is expressed at increased levels in various disease states (Kruithof et al. 1988), and has been linked to an increased occurrence of thrombosis in obesity and coronary artery disease (Oseroff et al. 1989). Defects in PAI-1 are characterized by abnormal bleeding (Takahashi et al. 1996).</p> <p>Goat anti Human PAI-1 antibody recognizes PAI-1 as a single band of 43 kDa in a range of human cell lysates.</p>
Western Blotting	Goat anti PAI-1 detects a band of approximately 43 kDa in MCF7 cell lysates.
References	<ol style="list-style-type: none"> De, B.T. <i>et al.</i> (2005) Plasminogen activator inhibitor-1: a common denominator in obesity, diabetes and cardiovascular disease. Curr Opin Pharmacol. 5 (2): 149-54. Berg, D. <i>et al.</i> (2012) Profiling signalling pathways in formalin-fixed and paraffin-embedded breast cancer tissues reveals cross-talk between EGFR, HER2, HER3 and uPAR. J Cell Physiol. 227 (1): 204-12. Wolff, C. <i>et al.</i> (2011) Signalling networks associated with urokinase-type plasminogen activator (uPA) and its inhibitor PAI-1 in breast cancer tissues: new insights from protein microarray analysis. J Pathol. 223 (1): 54-63. Malinowsky, K. <i>et al.</i> (2012) uPA and PAI-1-Related Signaling Pathways Differ between Primary Breast Cancers and Lymph Node Metastases. Transl Oncol. 5 (2): 98-104. Berg, D. <i>et al.</i> (2011) Discovery of new molecular subtypes in oesophageal adenocarcinoma. PLoS One. 6 (9): e23985.
Further Reading	<ol style="list-style-type: none"> Lijnen, H.R. (2005) Pleiotropic functions of plasminogen activator inhibitor-1. J Thromb Haemost. 3 (1): 35-45.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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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

'M387875:210728'

Printed on 29 Aug 2021
