

Datasheet: AHP1065

BATCH NUMBER 160209

Description:	GOAT ANTI HUMAN UROKINASE (C-TERMINAL)
Specificity:	UROKINASE (C-TERMINAL)
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	▪			1/8000
Immunoprecipitation			▪	
Western Blotting	▪			0.3 - 1.0ug/ml
Functional Assays			▪	

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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to Urokinase were raised by repeated immunisations of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein	IgG concentration 0.5mg/ml

Concentrations

Immunogen Peptide with sequence C-HFLPWIRSHTKEEN from the C-terminal of the Urokinase sequence.

External Database

Links

UniProt:

[P00749](#) [Related reagents](#)

Entrez Gene:

[5328](#) PLAU [Related reagents](#)

RRID AB_2237168

Specificity

Goat anti Human Urokinase antibody detects an epitope within the C-terminal of urokinase, a potent ~50 kDa serine protease also known as urokinase plasminogen activator (uPA). uPA cleaves and activates plasminogen to form plasmin and is involved in extracellular cellular matrix degradation and cell signalling. uPA and its receptor are involved in the pathogenesis of inflammation and immunity.

A specific polymorphism in the gene encoding uPA may be associated with late-onset Alzheimer's disease ([Ertekin-Taner *et al.* 2005](#)). The levels of uPA, uPAR and its soluble fragments have also been found to be increased in tissues, plasma and other body fluids of cancer patients and to be markers of cancer development and metastasis ([Kim *et al.* 2016](#)).

Western Blotting AHP1065 detects a band of approximately 48kDa in KEH 293 cell lysates.

References

1. Mondino, A. & Blasi, F. (2004) uPA and uPAR in fibrinolysis, immunity and pathology. [Trends Immunol. 25 \(8\): 450-5.](#)
 2. Danø, K. *et al.* (2005) Plasminogen activation and cancer. [Thromb Haemost. 93 \(4\): 676-81.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1065>
10058

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [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

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