

## Datasheet: AHP1065

<b>Description:</b>	GOAT ANTI HUMAN UROKINASE (C-TERMINAL)
<b>Specificity:</b>	UROKINASE (C-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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** 0.02% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 0.5% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.5mg/ml

**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](#)

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**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. Recent studies have implicated uPA and its receptor 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](#)).

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

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**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** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10058 available at:  
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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