

## Datasheet: AHP1669

<b>Description:</b>	GOAT ANTI HUMAN ASS1
<b>Specificity:</b>	ASS1
<b>Other names:</b>	CTLN1
<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 (1)	▪			2.0 - 4.0ug/ml
ELISA	▪			1/64000
Immunoprecipitation	▪			
Western Blotting	▪			0.01 - 0.03ug/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 antibody requires heat-mediated antigen retrieval prior to staining paraffin sections. Citrated buffer, pH6.0, is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Bovine</p> <p>Based on sequence similarity, is expected to react with: Mouse, Rat, Dog</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antiserum to ASS1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

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**Buffer Solution** TRIS buffered saline

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**Preservative** 0.02% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 0.5% Bovine Serum Albumin

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

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**Immunogen** Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP\_000041.2; NP\_446464.1).

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**External Database Links**

**UniProt:**

[P00966](#)    [Related reagents](#)

**Entrez Gene:**

[445](#) ASS1    [Related reagents](#)

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**Synonyms** ASS

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**RRID** AB\_2060468

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**Specificity** **Goat anti human ASS1 antibody** recognises human argininosuccinate synthetase-1, an ornithine (urea) cycle enzyme which catalyzes the penultimate step of the arginine biosynthetic pathway.

Defects in ASS1 genes are responsible for the autosomal recessive disease known as citrullinemia type 1 (CTLN1), characterized by increased levels of urine and serum citrulline, and ammonia intoxication.

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**Histology Positive Control Tissue** Human kidney

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**Western Blotting** Goat anti human ASS1 detects a band of approximately 45kDa in human kidney cell lysates

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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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**Guarantee** 12 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>

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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://bio-rad-antibodies.com/datasheets)

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