

Datasheet: AHP1669

**BATCH NUMBER 170106**

<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.**

### Target Species

Human

### Species Cross Reactivity

Reacts with: Bovine

Based on sequence similarity, is expected to react with: Mouse, Rat, Dog

**N.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.

<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to ASS1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP_000041.2; NP_446464.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P00966</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">445</a>    ASS1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ASS
<b>RRID</b>	AB_2060468
<b>Specificity</b>	<p><b>Goat anti human ASS1 antibody</b> recognises human argininosuccinate synthetase-1, an ornithine (urea) cycle enzyme which catalyzes the penultimate step of the arginine biosynthetic pathway.</p> <p>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.</p>
<b>Histology Positive Control Tissue</b>	Human kidney
<b>Western Blotting</b>	Goat anti human ASS1 detects a band of approximately 45kDa in human kidney cell lysates
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1669>  
10058

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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](#)

### Recommended Useful Reagents

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

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