

Datasheet: AHP1669

BATCH NUMBER 170314

Description:	GOAT ANTI HUMAN ASS1
Specificity:	ASS1
Other names:	CTLN1
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 (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	<p>Reacts with: Bovine</p> <p>Based on sequence similarity, is expected to react with: Mouse, Rat, Dog</p> <p>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.</p>

Product Form	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.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP_000041.2; NP_446464.1).
External Database Links	<p>UniProt: P00966 Related reagents</p> <p>Entrez Gene: 445 ASS1 Related reagents</p>
Synonyms	ASS
RRID	AB_2060468
Specificity	<p>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.</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>
Histology Positive Control Tissue	Human kidney
Western Blotting	Goat anti human ASS1 detects a band of approximately 45kDa in human kidney cell lysates
Storage	<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>
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/AHP1669>
10058

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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