

Datasheet: AHP1669

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	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.
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	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein	IgG concentration 0.5mg/ml

Concentrations

Immunogen Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP_000041.2; NP_446464.1).

External Database Links

UniProt:

[P00966](#) [Related reagents](#)

Entrez Gene:

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

Synonyms ASS

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.

Histology Positive Control Tissue Human kidney

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

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.

Shelf Life 18 months from date of despatch.

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

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 \(BUF025A\)](#)

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

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