

**ASS Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6899b****Specification**

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**ASS Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P00966](#)**ASS Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 445**Other Names**

Argininosuccinate synthase, Citrulline--aspartate ligase, ASS1, ASS

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6899b](/products/AP6899b) was selected from the C-term region of human ASS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ASS Antibody (C-term) Blocking Peptide - Protein Information****Name** ASS1 ([HGNC:758](#))**Function**

One of the enzymes of the urea cycle, the metabolic pathway transforming neurotoxic ammonia produced by protein catabolism into innocuous urea in the liver of ureotelic animals. Catalyzes the formation of argininosuccinate from aspartate, citrulline and ATP and together with ASL it is responsible for the biosynthesis of arginine in most body tissues.

**Cellular Location**

Cytoplasm, cytosol

**Tissue Location**

Expressed in adult liver.

## **ASS Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **ASS Antibody (C-term) Blocking Peptide - Images**

## **ASS Antibody (C-term) Blocking Peptide - Background**

ASS catalyzes the penultimate step of the arginine biosynthetic pathway.

## **ASS Antibody (C-term) Blocking Peptide - References**

Kohler,E.S., et.al., BMC Dev. Biol. 8, 107 (2008)