

ASS Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6829c**Specification**

ASS Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P00966](#)**ASS Antibody (Center) 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 [AP6829c](/products/AP6829c) was selected from the Center 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ASS Antibody (Center) Blocking Peptide - Images

ASS Antibody (Center) Blocking Peptide - Background

ASS catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase.

ASS Antibody (Center) Blocking Peptide - References

Engel, K., et.al., Hum. Mutat. 30 (3), 300-307 (2009)