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ASS Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6899b

Specification

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 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 amonia produced by protein catabolism into inocuous urea in the liver of ureotelic animals. Catalyzes the formation of arginosuccinate 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.

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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)