

ASPA Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6859a

Specification

ASPA Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P45381](#)

ASPA Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 443

Other Names

Aspartoacylase, Aminoacylase-2, ACY-2, ASPA, ACY2, ASP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6859a](/products/AP6859a) was selected from the N-term region of human ASPA. 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.

ASPA Antibody (N-term) Blocking Peptide - Protein Information

Name ASPA ([HGNC:756](#))

Function

Catalyzes the deacetylation of N-acetylaspartic acid (NAA) to produce acetate and L-aspartate. NAA occurs in high concentration in brain and its hydrolysis NAA plays a significant part in the maintenance of intact white matter. In other tissues it acts as a scavenger of NAA from body fluids.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9R1T5}. Nucleus {ECO:0000250|UniProtKB:Q9R1T5}

Tissue Location

Brain white matter, skeletal muscle, kidney, adrenal glands, lung and liver.

ASPA Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ASPA Antibody (N-term) Blocking Peptide - Images

ASPA Antibody (N-term) Blocking Peptide - Background

ASPA is an enzyme that catalyzes the conversion of N-acetyl_L-aspartic acid (NAA) to aspartate and acetate. NAA is abundant in the brain where hydrolysis by aspartoacylase is thought to help maintain white matter. This protein is an NAA scavenger in other tissues.

ASPA Antibody (N-term) Blocking Peptide - References

Bitto,E., et.al., Proc. Natl. Acad. Sci. U.S.A. 104 (2), 456-461 (2007)