

ARSB Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7460c

Specification

ARSB Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P15848](#)

ARSB Antibody (Center) Blocking Peptide - Additional Information

Gene ID 411

Other Names

Arylsulfatase B, ASB, N-acetylgalactosamine-4-sulfatase, G4S, ARSB

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7460c](/products/AP7460c) was selected from the Center region of human ARSB. 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.

ARSB Antibody (Center) Blocking Peptide - Protein Information

Name ARSB

Function

Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation (PubMed:[19306108](http://www.uniprot.org/citations/19306108)). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (PubMed:[19306108](http://www.uniprot.org/citations/19306108)). In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels (By similarity).

Cellular Location

Lysosome {ECO:0000250|UniProtKB:P50429}. Cell surface {ECO:0000250|UniProtKB:P50429}

ARSB Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARSB Antibody (Center) Blocking Peptide - Images

ARSB Antibody (Center) Blocking Peptide - Background

ARSB belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondroitin sulfate, and dermatan sulfate. The protein is targeted to the lysosome. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B.

ARSB Antibody (Center) Blocking Peptide - References

Peters C., Schmidt B.J. Biol. Chem. 265:3374-3381(1990)Modarelli S., Rupp K. Biol. Chem. Hoppe-Seyler 374:327-335(1993)Kobayashi T., Honke K. Biochim. Biophys. Acta 1159:243-247(1992)