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# 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 <a href=/products/AP7460c>AP7460c</a> 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:<a href="http://www.uniprot.org/citations/19306108" target="_blank">19306108</a>). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (PubMed:<a href="http://www.uniprot.org/citations/19306108" target="_blank">19306108</a>). 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}

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## 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, chondriotin sulfate, and dermatan sulfate. The protein is targetted to the lysozyme. 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)Modaressi S., Rupp K.Biol. Chem. Hoppe-Seyler 374:327-335(1993)Kobayashi T., Honke K.Biochim. Biophys. Acta 1159:243-247(1992)