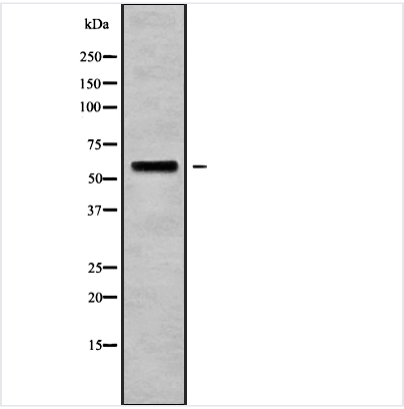
ARSB Antibody

PRODUCT OVERVIEW

Product Name	ARSB, Antibody
Full Product Name	ARSB Antibody
Product Gene Name	anti-ARSB antibody
Molecular Weight	45,996 Da
OMIM	253200
3D Structure	ModBase 3D Structure for P15848
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-ARSB antibody	MBS8518238 is an antibody targeting ARSB. Also known as ARSB Antibody.
Other Notes	Small volumes of anti-ARSB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ARSB antibody
Western blot analysis ARSB using Jurkat whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARSB. It may not necessarily be applicable to this product.

NCBI GI #	38569405
NCBI GeneID	411
NCBI Accession #	NP_000037.2
UniProt Primary Accession #	P15848
UniProt Secondary Accession #	Q8N322; Q9UDI9; B2RC20
UniProt Related Accession #	P15848
GenBank Nucleotide #	NM_000046.4
NCBI Official Full Name	arylsulfatase B isoform 1

NCBI Official Synonym Full Names	arylsulfatase B
NCBI Official Symbol	ARSB
NCBI Official Synonym Symbols	ASB; G4S; MPS6
UniProt Protein Name	Arylsulfatase B
UniProt Synonym Protein Names	N-acetylgalactosamine-4-sulfatase; G4S
Protein Family	Arsenical pump membrane protein
UniProt Gene Name	ARSB
UniProt Synonym Gene Names	ASB; G4S
NCBI Protein Information	arylsulfatase B
NCBI Summary for ARSB	Arylsulfatase B encoded by this gene 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 targeted to the lysozyme. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2016]
UniProt Comments for ARSB	Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation (PubMed:19306108). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (PubMed: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 ().
Research Articles on ARSB	**1.** Three novel mutations in ARSB were detected, expanding the mutational spectrum of ARSB causing MPS VI. A compound heterozygous for the c.464G>A (p.C155Y) and c.1163G>C (p.R388T) mutations, a 13.8-kb deletion encompassing exons 2 and 3, mutation c.479G>A (p.R160Q), and novel c.464G>A (p.C155Y) mutation.
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Online datasheet: https://www.mybiosource.com/antibody/arsb/8518238