ARSI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARSI, Polyclonal Antibody
Full Product Name	ARSI Conjugated Antibody
Product Gene Name	anti-ARSI antibody
Product Synonym Names	arylsulfatase I; ASI; EC 3.1.6.-
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total ARSI protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	64,030 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (149675909..149682525, complement). Location: 5q32
OMIM	610009
3D Structure	ModBase 3D Structure for Q5FYB1
Immunogen	Synthesized peptide derived from internal of human ARSI.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-ARSI antibody	Most Applications
Application Notes for anti-ARSI antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-ARSI antibody	Displays arylsulfatase activity at neutral pH, when co-expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts.
Other Notes	Small volumes of anti-ARSI 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.
Searchable Terms for ARSI purchase	MBS9445231 is an antibody targeting ARSI. Also known as ARSI Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	59797060
NCBI GeneID	340075
NCBI Accession #	NP_001012301.1
UniProt Primary Accession #	Q5FYB1
UniProt Secondary Accession #	A1L3B0; B3KV22; B7XD03
UniProt Related Accession #	Q5FYB1
GenBank Nucleotide #	NM_001012301.2
NCBI Official Full Name	arylsulfatase I
NCBI Official Synonym Full Names	arylsulfatase family, member I
NCBI Official Symbol	ARSI
UniProt Protein Name	Arylsulfatase I
Protein Family	Arylsulfatase
UniProt Gene Name	ARSI
UniProt Synonym Gene Names	ASI
UniProt Entry Name	ARSI_HUMAN
NCBI Protein Information	arylsulfatase I; ASI
NCBI Summary for ARSI	Sulfatases (EC 3.1.5.6), such as ARSI, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules (Sardiello et al., 2005 [PubMed 16174644]).[supplied by OMIM, Mar 2008]
UniProt Comments for ARSI	ARSI: Displays arylsulfatase activity at neutral pH, when co- expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts. Belongs to the sulfatase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; EC 3.1.6.-; Secreted, signal peptide; Hydrolase; Calcium-binding Chromosomal Location of Human Ortholog: 5q32 Cellular Component: endoplasmic reticulum lumen; extracellular region Molecular Function: arylsulfatase activity; metal ion binding Biological Process: cellular protein metabolic process; sphingolipid metabolic process; glycosphingolipid metabolic process; post-translational protein modification
Research Articles on ARSI	**1.** No mutation was found in the ARSI gene locus of the retinitis pigmentosa patients examined.
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