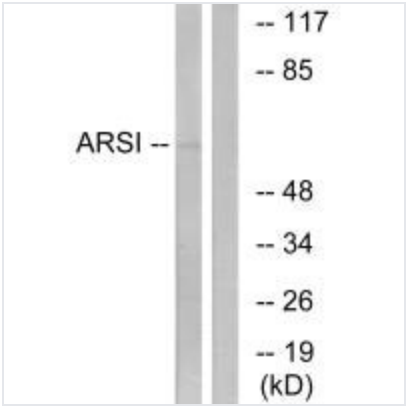
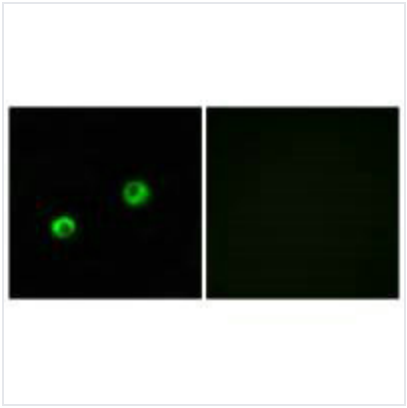
# ARSI Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | ARSI, Polyclonal Antibody |
| **Full Product Name** | ARSI Antibody |
| **Product Gene Name** | anti-ARSI antibody |
| **Product Synonym Names** | arylsulfatase I; ASI; EC 3.1.6.- |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol. |
| **Purity/Purification** | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **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. |
| **Immunogen Species** | Human |
| **Conjugate** | Non-conjugated |
| **Product Categories/Family for anti-ARSI antibody** | Signal Transduction |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ARSI antibody** | ELISA (EIA), Western Blot (WB), Immunofluorescence (IF) |
| **Application Notes for anti-ARSI antibody** | WB: 1:500-1:3000<br>IF: 1:100-1:500 |
| **Related Product Information for anti-ARSI antibody** | MBS7132403 is an antibody targeting ARSI. Also known as ARSI Antibody. Reactive in Human. Host: Rabbit. |
| **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. |




**Western Blot (WB) of anti-ARSI antibody**
Western blot analysis of extracts from COS7 cells, using ARSI antibody.



**Immunofluorescence (IF) of anti-ARSI antibody**
Immunofluorescence analysis of MCF-7 cells, using ARSI antibody.

## ADDITIONAL DETAILS

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

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|---|---|
| **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] |

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| **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.<br><br>Protein type: Secreted; EC 3.1.6.-; Secreted, signal peptide; Hydrolase; Calcium-binding<br><br>Chromosomal Location of Human Ortholog: 5q32<br><br>Cellular Component: endoplasmic reticulum lumen; extracellular region<br><br>Molecular Function: arylsulfatase activity; metal ion binding<br><br>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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