# ARSG Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ARSG, Polyclonal Antibody |
| **Full Product Name** | ARSG Polyclonal Antibody |
| **Product Gene Name** | anti-ARSG antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | PBS with 0.02% sodium azide, 50% glycerol, pH 7.3. |
| **Purity/Purification** | Affinity Purification |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |
| **Molecular Weight** | 57kDa |
| **OMIM** | 610008 |
| **3D Structure** | ModBase 3D Structure for Q96EG1 |
| **Immunogen** | Recombinant protein of human ARSG (NP_001254656.1). |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ARSG antibody** | Western Blot (WB) |
| **Application Notes for anti-ARSG antibody** | WB: 1:500-1:2000 |
| **Related Product Information for anti-ARSG antibody** | The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase activity at acidic pH, as is typical of lysosomal sulfatases, and has been shown to localize in the lysosomes. Alternatively spliced transcript variants have been found for this gene. |
| **Other Notes** | Small volumes of anti-ARSG 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 ARSG purchase** | MBS8568472 is an antibody targeting ARSG. Also known as ARSG Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 392050740 |
| **NCBI GeneID** | 22901 |
| **NCBI Accession #** | NP_001254656.1 |
| **UniProt Primary Accession #** | Q96EG1 |

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| **UniProt Related Accession #** | Q96EG1 |
| **GenBank Nucleotide #** | NP_001254656.1 |
| **NCBI Official Full Name** | arylsulfatase G isoform 1 |
| **NCBI Official Synonym Full Names** | arylsulfatase G |
| **NCBI Official Symbol** | ARSG |
| **NCBI Official Synonym Symbols** | USH4 |
| **UniProt Protein Name** | Arylsulfatase G |
| **Protein Family** | Arylsulfatase |
| **UniProt Gene Name** | ARSG |
| **UniProt Synonym Gene Names** | KIAA1001; ASG |
| **UniProt Entry Name** | ARSG_HUMAN |
| **NCBI Protein Information** | arylsulfatase G |
| **UniProt Comments for ARSG** | ARSG: Displays arylsulfatase activity at acidic pH with pseudosubstrates, such as p-nitrocatechol sulfate and also, but with lower activity, p-nitrophenyl sulfate and 4- methylumbelliferyl sulfate. Belongs to the sulfatase family.<br><br>Protein type: Endoplasmic reticulum; Hydrolase; Secreted, signal peptide; Secreted; EC 3.1.6.-; Kinase, other<br><br>Chromosomal Location of Human Ortholog: 17q24.2<br><br>Cellular Component: extracellular space; lysosome; endoplasmic reticulum lumen; endoplasmic reticulum<br><br>Molecular Function: arylsulfatase activity; metal ion binding<br><br>Biological Process: sulfur metabolic process; sphingolipid metabolic process; cellular protein metabolic process; glycosphingolipid metabolic process; post-translational protein modification |
| **Research Articles on ARSG** | **1.** No association of rs11655081 ARSG with blepharospasm was found in a Greek cohort. |
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