

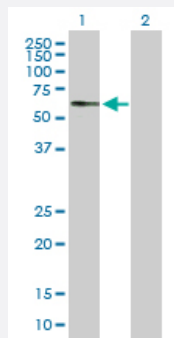
MaxPab®

# ARSG purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00022901-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ARSG expression in transfected 293T cell line ([H00022901-T01](#)) by ARSG MaxPab polyclonal antibody.

Lane1: KIAA1001 transfected lysate (57.75 kDa).

Lane2: Non-transfected lysate.

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human ARSG protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                     | ARSG (NP_055775.2, 1 a.a. ~ 525 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence                      | <p>MGWFLKVLLAGVSFSGFLYPLVDFCISGKTRGQKPNFVILADDMGWGDLGANWAETKDTANLD</p> <p>KMASEGMRFVDFHAAASTCSPSRASLLTGRLGLRNGVTRNFAVTSVGGLPLNETTLAEVLQQAG</p> <p>YVTGIIGKWHLGHHGSYHPNFRGFDYYFGIPYSHDMGCTDTPGYNHPPCPACPQGDGPSRNLQRD</p> <p>CYTDVALPLYENLNIVEQPVNLSLAQKYAEKATQFIQRASTSGRPFLLYVALAHMHVPLPVTQLP</p> <p>AAPRGRSLYGAGLWEMDSL VGQIKDKVDHTVKENTFLWFTGDNGPWAQKCELAGSVGPFTGF</p> <p>WQTRQGGSPAKQTTWEGGHRVPALAYWPGRVPVNVSTALLSVLDIFPTVVALAQASLPQGRRF</p> <p>DGVDVSEVLFGRSQPGHRVLFHPNSGAAGEFGALQTVRLERYKAFYITGGARACDGSTGPELQH</p> <p>KFPLIFNLEDDTAEAVPLERGGAEYQAVLPEVRKVLADVLQDIANDNISSADYTQDPSVTPCCNPY</p> <p>QIACRCQAA</p> |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Interspecies Antigen Sequence | Mouse (82); Rat (83)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Storage Buffer

In 1x PBS, pH 7.4

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — ARSG

## Entrez GeneID

[22901](#)

## GeneBank Accession#

[NM\\_014960.2](#)

## Protein Accession#

[NP\\_055775.2](#)

## Gene Name

ARSG

## Gene Alias

KIAA1001

## Gene Description

arylsulfatase G

## Omim ID

[610008](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

Sulfatases, such as ARSG, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteo glycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This gene, a novel arylsulfatase, has activity toward pseudo substrates including p-nitrocatechol sulfate and 4-methylumbelliferyl sulfate. Activity is competitively inhibited by phosphate. The unprocessed protein is active as a 63-kDa monomer and demonstrates an acidic pH optimum as typically seen for lysosomal sulfatases. The protein accumulates within lysosomes and is also a glycoprotein that binds specifically to mannose 6-phosphate receptors. [provided by RefSeq]

## Other Designations

Arylsulfatase G

## Pathway

- [Lysosome](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Tobacco Use Disorder](#)