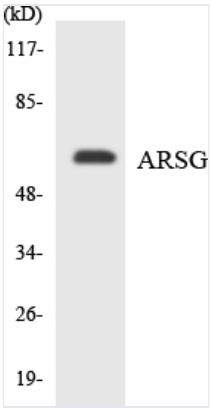
ARSG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARSG, Polyclonal Antibody
Full Product Name	ARSG Antibody
Product Gene Name	anti-ARSG antibody
Product Synonym Names	Arylsulfatase G; ASG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	ARSG Antibody detects endogenous levels of ARSG.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	57 kDa
OMIM	AB023218 mRNA
3D Structure	ModBase 3D Structure for Q96EG1
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human ARSG.
Immunogen Range	245-294
Applications Tested/Suitable for anti-ARSG antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-ARSG antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Related Product Information for anti-ARSG antibody	MBS9509201 is an antibody targeting ARSG. Also known as ARSG Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.



Western Blot (WB) of anti-ARSG antibody
Western blot analysis of the lysates from HeLa cells using ARSG antibody.

ADDITIONAL DETAILS

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

NCBI GI #	392050740
NCBI GeneID	22901
NCBI Accession #	NP_001254656.1
UniProt Primary Accession #	Q96EG1
UniProt Secondary Accession #	Q6UXF2; Q9Y2K4
UniProt Related Accession #	Q96EG1
GenBank Nucleotide #	NM_001267727.1
NCBI Official Full Name	arylsulfatase G isoform 1
NCBI Official Synonym Full Names	arylsulfatase G
NCBI Official Symbol	ARSG
UniProt Protein Name	Arylsulfatase G
Protein Family	Arylsulfatase
UniProt Gene Name	ARSG
UniProt Synonym Gene Names	KIAA1001; ASG
NCBI Protein Information	arylsulfatase G
NCBI Summary for ARSG	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. [provided by RefSeq, Jun 2012]
UniProt Comments for 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.
Research Articles on ARSG	**1.** This study provide further support for a role of ARSG variants in task-specific dystonia, especially writer's cramp.
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