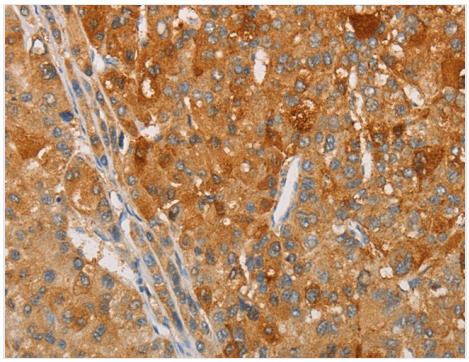
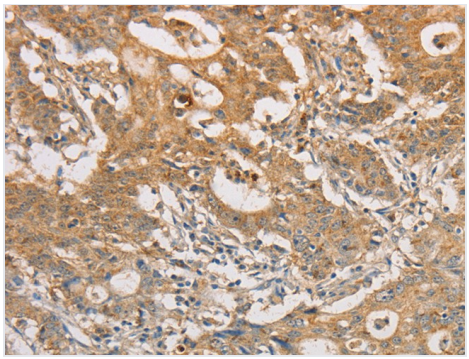
ARSG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

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
Purity/Purification	Antigen affinity purification
Concentration	1.3mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	57,061 Da
OMIM	610008
Immunogen	Recombinant protein of human ARSG
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARSG antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-ARSG antibody	IHC: 1:50-1:200
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	MBS2523543 is an antibody targeting ARSG. Also known as ARSG Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-ARSG antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using ARSG Polyclonal Antibody at dilution 1:30



Immunohistochemistry (IHC) of anti-ARSG antibody
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ARSG Polyclonal Antibody at dilution 1:30

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 Secondary Accession #	Q6UXF2; Q9Y2K4
UniProt Related Accession #	Q96EG1
GenBank Nucleotide #	NM_001267727.1
NCBI Official Full Name	arylsulfatase G
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
UniProt Entry Name	ARSG_HUMAN
NCBI Protein Information	arylsulfatase G; ASG
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. Protein type: Secreted; Hydrolase; EC 3.1.6.-; Secreted, signal peptide; Endoplasmic reticulum; Kinase, other Chromosomal Location of Human Ortholog: 17q24.2 Cellular Component: extracellular space; endoplasmic reticulum; lysosome; endoplasmic reticulum lumen Molecular Function: arylsulfatase activity; metal ion binding Biological Process: sulfur metabolic process; sphingolipid metabolic process; cellular protein metabolic process; glycosphingolipid metabolic process; post-translational protein modification
Research Articles on ARSG	**1.** ARSG is differentially expressed, processed, and transported in tissues involving a membrane-associated pre-lysosomal precursor.

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