



# Arylsulfatase G Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-03729
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ARSG
<b>Protein Name</b>	Arylsulfatase G
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ARSG. AA range:251-300
<b>Specificity</b>	Arylsulfatase G Polyclonal Antibody detects endogenous levels of Arylsulfatase G protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARSG; KIAA1001; Arylsulfatase G; ASG
<b>Observed Band</b>	65kD
<b>Cell Pathway</b>	Lysosome . The 63-kDa precursor protein localizes to pre-lysosomal compartments and tightly associates with organelle membranes, most likely the endoplasmic reticulum. In contrast, proteolytically processed fragments of 34-, 18- and 10-kDa are found in lysosomal fractions and lose their membrane association. .
<b>Tissue Specificity</b>	Widely expressed, with very low expression in brain, lung, heart and skeletal muscle.
<b>Function</b>	cofactor: Binds 1 calcium ion per subunit.,PTM:N-glycosylated.,PTM:The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.,similarity: Belongs to the sulfatase family.,tissue specificity: Widely expressed.,
<b>Background</b>	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],

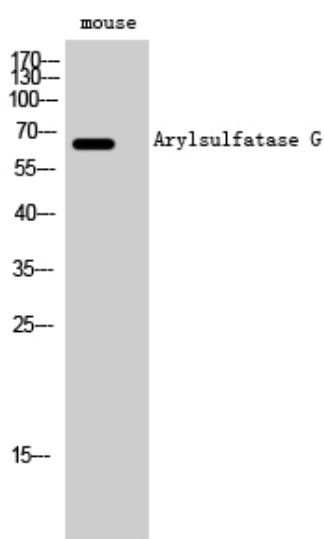
### matters needing attention

Avoid repeated freezing and thawing!

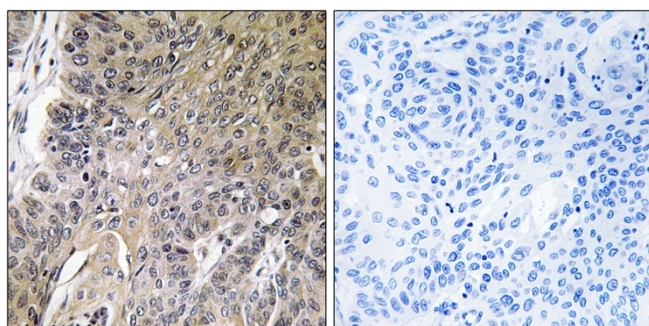
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

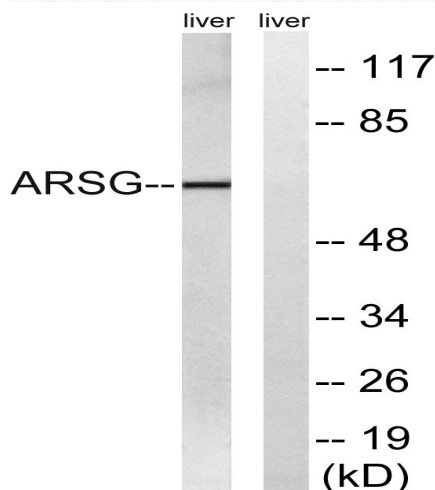
## Products Images



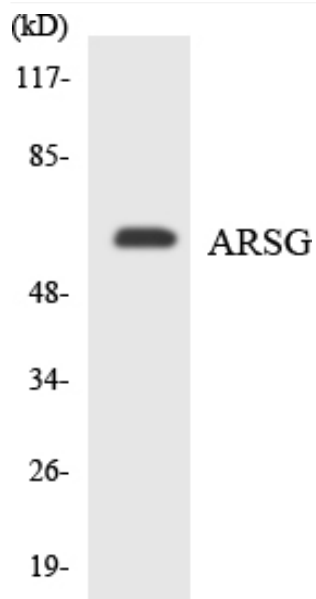
Western Blot analysis of mouse cells using Arylsulfatase G Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ARSG Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse liver, using ARSG Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ARSG antibody.