

## Arylsulfatase G rabbit pAb

**Cat#: orb768145 (Manual)**

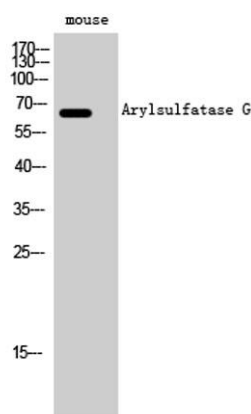
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Arylsulfatase G rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Arylsulfatase G
<b>Gene Name</b>	ARSG
<b>Cellular localization</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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

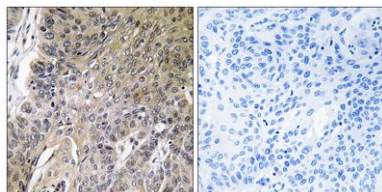
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	65kD
<b>Human Gene ID</b>	22901
<b>Human Swiss-Prot Number</b>	Q96EG1
<b>Alternative Names</b>	ARSG; KIAA1001; Arylsulfatase G; ASG

### Background

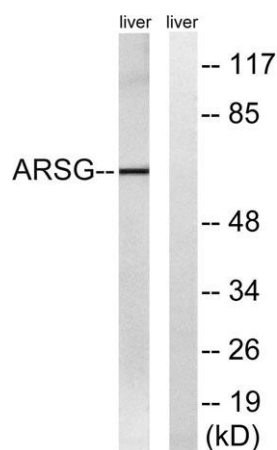
The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein 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].



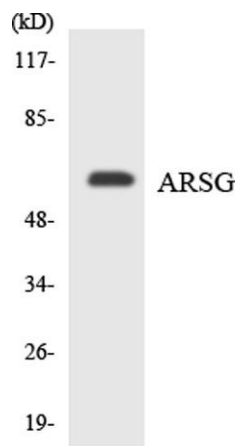
**Western Blot analysis of mouse cells using Arylsulfatase G Polyclonal Antibody**



**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.**