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Arylsulfatase G Polyclonal Antibody

Catalog # AP68534

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q96EG1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57061

Additional Information

Gene ID	22901
Other Names	ARSG; KIAA1001; Arylsulfatase G; ASG
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

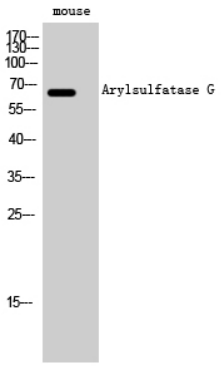
Protein Information

Name	ARSG
Synonyms	KIAA1001
Function	Displays arylsulfatase activity at acidic pH towards artificial substrates, such as p-nitrocatechol sulfate and also, but with a lower activity towards p-nitrophenyl sulfate and 4- methylumbelliferyl sulfate (PubMed:18283100, PubMed:29300381). Catalyzes the hydrolysis of the 3-sulfate groups of the N-sulfo-D- glucosamine 3-O-sulfate units of heparin (PubMed:22689975).
Cellular Location	Lysosome. Note=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 {ECO:0000250|UniProtKB:Q3TYD4}
Tissue Location	Widely expressed, with very low expression in brain, lung, heart and skeletal muscle.

Background

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.

Images



Western Blot analysis of mouse cells using Arylsulfatase G Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.