

Anti-Arylsulfatase G Antibody

Catalog # AP60750

Product Information

Application	WB, IHC
Primary Accession	Q96EG1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57061

Additional Information

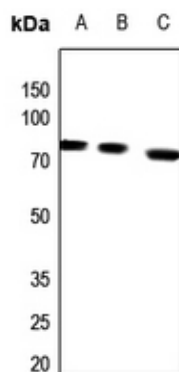
Gene ID	22901
Other Names	KIAA1001; Arylsulfatase G; ASG
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Arylsulfatase G. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

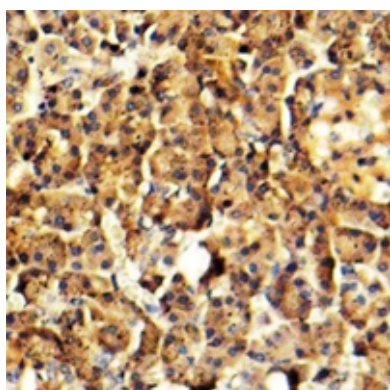
Name	ARSG
Synonyms	KIAA1001
Function	Displays arylsulfatase activity at acidic pH towards artificial substrates, such as p-nitrocatechol sulfate and also, but with a lower activity towards p-nitrophenyl sulfate and 4- methylumbelliferyl sulfate (PubMed: 18283100 , PubMed: 29300381). Catalyzes the hydrolysis 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.

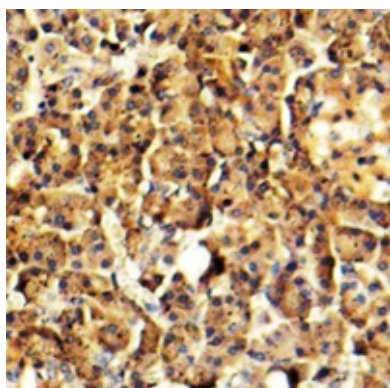
Images



Western blot analysis of Arylsulfatase G expression in HEK293T (A), Hela (B), rat liver (C) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 70 kD)



Immunohistochemical analysis of Arylsulfatase G staining in human pancreas formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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