

ARG42653 anti-Arylsulfatase A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Arylsulfatase A
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Arylsulfatase A
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 210-509 of Human Arylsulfatase A (NP_000478.3).
Conjugation	Un-conjugated
Alternate Names	ASA; Cerebroside-sulfatase; EC 3.1.6.8; Arylsulfatase A; MLD

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549 and Mouse testis	
Observed Size	~ 62 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ARSA
Gene Full Name	arylsulfatase A
Background	The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010]
Function	Hydrolyzes cerebroside sulfate. [UniProt]
Calculated Mw	54 kDa
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. This post-translational modification is severely defective in multiple sulfatase deficiency (MSD). [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



A549

ARG42653 anti-Arylsulfatase A antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG42653 anti-Arylsulfatase A antibody at 1:1000 dilution.



Mouse testis

ARG42653 anti-Arylsulfatase A antibody WB image

Western blot: 25 µg of Mouse testis lysate stained with ARG42653 anti-Arylsulfatase A antibody at 1:1000 dilution.