

Goat Anti-Arylsulfatase A Antibody
Peptide-affinity purified goat antibody
Catalog # AF1113a**Specification**

Goat Anti-Arylsulfatase A Antibody - Product Information

Application	WB, E
Primary Accession	P15289
Other Accession	NP_000478 , 410 , 11883 (mouse) , 315222 (rat)
Reactivity	Mouse
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	53588

Goat Anti-Arylsulfatase A Antibody - Additional Information**Gene ID** 410**Other Names**

Arylsulfatase A, ASA, 3.1.6.8, Cerebroside-sulfatase, Arylsulfatase A component B, Arylsulfatase A component C, ARSA

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Arylsulfatase A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Arylsulfatase A Antibody - Protein Information**Name** ARSA**Function**

Hydrolyzes cerebroside sulfate.

Cellular Location

Endoplasmic reticulum. Lysosome

Goat Anti-Arylsulfatase A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Arylsulfatase A Antibody - Images

AF1113a (0.5 µg/ml) staining of Mouse Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Arylsulfatase A Antibody - Background

The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leukodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Multiple alternatively spliced transcript variants, one of which encodes a distinct protein, have been described for this gene.

Goat Anti-Arylsulfatase A Antibody - References

Characterization of new arylsulfatase A gene mutations reinforces genotype-phenotype correlation in metachromatic leukodystrophy. Cesani M, et al. Hum Mutat, 2009 Oct. PMID 19606494.
Characterization of the arylsulfatase I (ARSI) gene preferentially expressed in the human retinal pigment epithelium cell line ARPE-19. Oshikawa M, et al. Mol Vis, 2009. PMID 19262745.
Saposin B-dependent reconstitution of arylsulfatase A activity in vitro and in cell culture models of metachromatic leukodystrophy. Matzner U, et al. J Biol Chem, 2009 Apr 3. PMID 19224915.
Chromosomal deletion unmasking a recessive disease: 22q13 deletion syndrome and metachromatic leukodystrophy. Bisgaard AM, et al. Clin Genet, 2009 Feb. PMID 19054018.
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