

# ARSA Antibody (C-term)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2083b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P15289</a>
<b>Other Accession</b>	<a href="#">NP_000478.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Clone Names</b>	498CT24.1.2
<b>Calculated MW</b>	53588
<b>Antigen Region</b>	408-439

## Additional Information

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<b>Gene ID</b>	410
<b>Other Names</b>	Arylsulfatase A, ASA, Cerebroside-sulfatase, Arylsulfatase A component B, Arylsulfatase A component C, ARSA
<b>Target/Specificity</b>	This ARSA antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 408-439 amino acids from the C-terminal region of human ARSA.
<b>Dilution</b>	WB~~1:500~1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	ARSA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ARSA
<b>Function</b>	Hydrolyzes cerebroside sulfate.
<b>Cellular Location</b>	Endoplasmic reticulum. Lysosome

## Background

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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.

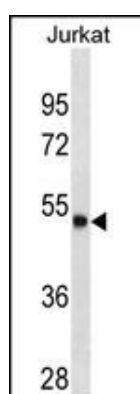
## References

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Cesani, M., et al. Hum. Mutat. 30 (10), E936-E945 (2009) : Matzner, U., et al. J. Biol. Chem. 284(14):9372-9381(2009) Bisgaard, A.M., et al. Clin. Genet. 75(2):175-179(2009) Lugowska, A., et al. Clin. Genet. 75(1):57-64(2009) Oshikawa, M., et al. Mol. Vis. 15, 482-494 (2009) :

## Images

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ARSA Antibody (C-term) (Cat. #AM2083b) western blot analysis in Jurkat cell line lysates (35µg/lane). This demonstrates the ARSA antibody detected the ARSA protein (arrow).

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