

ARSA Antibody (C-term) (Ascites)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2083a

Product Information

Application	WB, E
Primary Accession	P15289
Other Accession	NP_000478.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Names	498CT24.1.2
Calculated MW	53588
Antigen Region	408-439

Additional Information

Gene ID	410
Other Names	Arylsulfatase A, ASA, Cerebroside-sulfatase, Arylsulfatase A component B, Arylsulfatase A component C, ARSA
Target/Specificity	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.
Dilution	WB~~1:500~4000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	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.
Precautions	ARSA Antibody (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARSA
Function	Hydrolyzes cerebroside sulfate.
Cellular Location	Endoplasmic reticulum. Lysosome

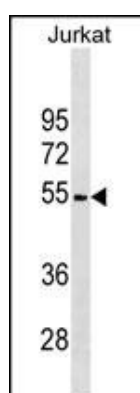
Background

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.

References

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



ARSA Antibody (C-term) (Cat. #AM2083a) 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'.