

Rabbit ARSA Polyclonal Antibody | anti-ARSA antibody

ARSA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324471	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ARSA; Polyclonal Antibody; ARSA Antibody; arsa; ARSA_HUMAN; arylsulfatase A; Arylsulfatase A component C; As 2; AS A; As2; ASA; AW212749; C230037L18Rik; Cerebroside-sulfatase; metachromatic leucodystrophy; MGC125207; MLD; OTTHUMP00000196546; OTTHUMP00000196548; TISP73; anti-ARSA antibody

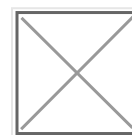
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARSA antibody detects endogenous levels of total ARSA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	509
Applicable Applications for anti-ARSA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Lysosome.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using ARSA antibody.


WB (Western Blot)

Western blot analysis of ARSA expression in Rat muscle lysate



IF (Immunofluorescence)

AAA324471 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324471 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ARSA antibody

Function: Hydrolyzes cerebroside sulfate.

Subunit Structure: Homodimer at neutral pH and homooctamer at acidic pH. Exists both as a single chain of 58 kDa (component A) or as a chain of 50 kDa (component B) linked by disulfide bond(s) to a 7 kDa chain (component C). Interacts with SUMF1.

Post-translational Modifications: 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).

Similarity: Belongs to the sulfatase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313569791
NCBI GeneID	410
NCBI Accession #	NP_000478.3
NCBI GenBank Nucleotide #	NM_000487.5
UniProt Accession #	P15289 ; Q6ICI5 ; Q96CJ0 ; B2RCA6 ; B7XD04 ; F8WCC8
Molecular Weight	Observed: 54 kD Predicted: 54 kDa
NCBI Official Full Name	arylsulfatase A isoform a
NCBI Official Synonym Full Names	arylsulfatase A
NCBI Official Symbol	ARSA
NCBI Official Synonym Symbols	ASA; MLD
NCBI Protein Information	arylsulfatase A
UniProt Protein Name	Arylsulfatase A
UniProt Gene Name	ARSA
UniProt Synonym Gene Names	ASA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arsa-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324471>