

Rabbit anti-Mouse ARSA Polyclonal Antibody | anti-ARSA antibody

Anti-ARSA Antibody, Rabbit Polyclonal

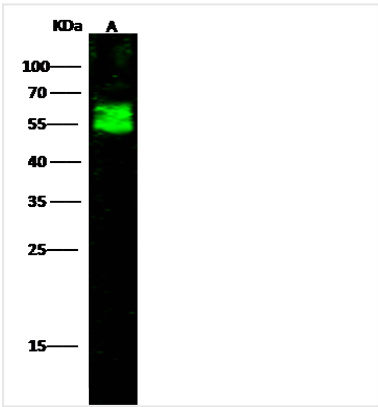
CATALOG # AAA257053	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

ARSA; Polyclonal Antibody; Anti-ARSA Antibody; Rabbit Polyclonal; Arylsulfatase A/ARSA Antibody; Rabbit PAb; Antigen Affinity Purified; arylsulfatase A; Anti-As-2 Antibody; Anti-AS-A Antibody; Anti-As2 Antibody; Anti-ASA Antibody; Anti-AW212749 Antibody; Anti-TISP73 Antibody; anti-ARSA antibody

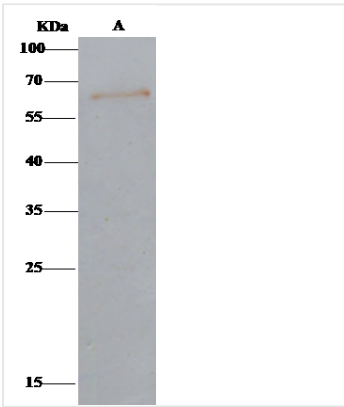
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Arylsulfatase-A/ARSA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ARSA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse ARSA protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse ARSA (rM ARSA). ARSA specific IgG was purified by Mouse ARSA affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)

Anti-ARSA rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:54 kDaObserved band size:54 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)

Mouse ARSA was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate2 uL anti-Mouse ARSA rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-Mouse ARSA rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilutionDeveloped using the DAB staining technique.Performed under reducing conditions.Predicted band size: 54 kDaObserved band size: 54 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ARSA antibody	Arylsulfatase A (ARSA) is synthesized as a 52KDa lysosomal enzyme. It is a member of the sulfatase family that is required for the lysosomal degradation of cerebroside-3-sulfate, a sphingolipid sulfate ester and a major constituent of the myelin sheet. Arylsulfatase A is activated by a required co- or posttranslational modification with the oxidation of cysteine to formylglycine. Metachromatic leukodystrophy (MLD) is a lysosomal storage disease in the central and peripheral nervous systems with severe and progressive neurological symptoms caused by the deficiency of Arylsulfatase A. Deficiency of this enzyme is also found in apparently healthy individuals, a condition for which the term pseudodeficiency is introduced. ARSA forms dimers after receiving three N-linked oligosaccharides in the endoplasmic reticulum, and then the dimers are transported to the Golgi where they receive mannose 6-phosphate recognition markers. And thus, ARSA is transported and delivered to dense lysosomes in a mannose 6-phosphate receptor-dependent manner. It has been shown that within the lysosomes, the ARSA dimers can oligomerize to an octamer in a pH-dependent manner. The ARSA deficiency leads to metachromatic leucodystrophy (MLD), a lysosomal storage disorder associated with severe and progressive demyelination in the central and peripheral nervous system. Additionally, the serum level of arylsulfatase A might be helpful in identification of lung and central nervous system cancer.
References	Laidler PM. (1991) Arylsulfatase A--physico-chemical properties and the use of enzyme radioimmunoassay in medical diagnosis Folia Med Cracov. 32(3-4): 149-68.Jean S, et al. (2006) Ethanol decreases rat hepatic arylsulfatase A activity levels. Alcohol Clin Exp Res. 30(11): 1950-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67972647
NCBI GeneID	11883
NCBI Accession #	NP_033843.2
NCBI GenBank Nucleotide #	NM_009713.4
UniProt Accession #	P50428; Q9DC66
Molecular Weight	53,748 Da
NCBI Official Full Name	arylsulfatase A
NCBI Official Synonym Full Names	arylsulfatase A
NCBI Official Symbol	Arsa

NCBI Official Synonym Symbols	ASA; As2; AS-A; As-2; TISP73; AW212749
NCBI Protein Information	arylsulfatase A; cerebroside-sulfatase
UniProt Protein Name	Arylsulfatase A
UniProt Gene Name	Arsa
UniProt Synonym Gene Names	As2; 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-immunoprecipitation-western-blot-elisa/257053>