

Datasheet for ABIN3043722

anti-Arylsulfatase A antibody (C-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Arylsulfatase A (ARSA)
Binding Specificity:	AA 454-482, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arylsulfatase A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Arylsulfatase A(ARSA) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human ARSA (454-482aa QALKQLQLLKAQLDAAVTFGPSQVARGED), different from the related mouse sequence by six amino acids.
Sequence:	QALKQLQLLK AQLDAAVTFG PSQVARGED
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Arylsulfatase A(ARSA) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: arylsulfatase A

Product Details

Protein Name: Arylsulfatase A

Purification: Immunogen affinity purified.

Target Details

Target: Arylsulfatase A (ARSA)

Alternative Name: ARSA ([ARSA Products](#))

Background: Arylsulfatase A (ARSA) is an enzyme that breaks down sulfatides, namely cerebroside 3-sulfate into cerebroside and sulfate. In humans, arylsulfatase A is encoded by the ARSA gene. ARSA is mapped to 22q13.33. 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.

Synonyms: arsA antibody|ARSA_HUMAN antibody|arylsulfatase A antibody|Arylsulfatase A component C antibody|As 2 antibody|AS A antibody|As2 antibody|ASA antibody|AW212749 antibody|C230037L18Rik antibody|Cerebroside-sulfatase antibody|metachromatic leucodystrophy antibody|MGC125207 antibody|MLD antibody|OTTHUMP00000196546 antibody|OTTHUMP00000196548 antibody|TISP73 antibody

Gene ID: 410

UniProt: [P15289](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

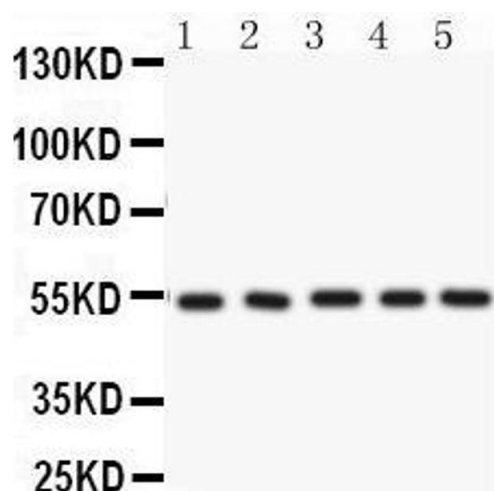
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

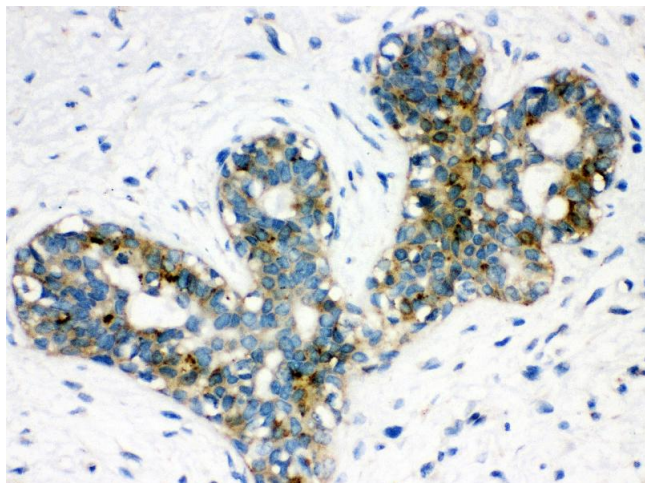
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300030 for Immunohistochemistry (IHC)



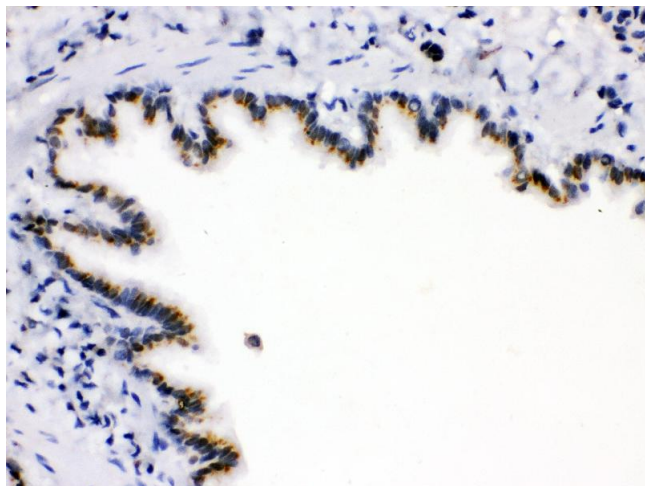
Western Blotting

Image 1. Anti-ARSA Picoband antibody, Western blotting All lanes: Anti ARSA at 0.5ug/ml Lane 1: Rat Testis Tissue Lysate at 50ug Lane 2: Rat Pancreas Tissue Lysate at 50ug Lane 3: Rat Skeletal Muscle Tissue Lysate at 50ug Lane 4: Mouse Kidney Tissue Lysate at 50ug Lane 5: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 54KD Observed bind size: 54KD



Immunohistochemistry

Image 2. Anti-ARSA Picoband antibody,IHC(P) IHC(P):
Human Mammary Cancer Tissue



Immunohistochemistry

Image 3. Anti-ARSA Picoband antibody,IHC(P) IHC(P): Rat
Lung Tissue