

Anti-ARSA Picoband Antibody
Catalog # ABO12165

Specification

Anti-ARSA Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	P15289
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Arylsulfatase A(ARSA) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-ARSA Picoband Antibody - Additional Information

Gene ID 410

Other Names

Arylsulfatase A, ASA, 3.1.6.8, Cerebroside-sulfatase, Arylsulfatase A component B, Arylsulfatase A component C, ARSA

Calculated MW

53588 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Lysosome.

Protein Name

Arylsulfatase A

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

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.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

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.

Sequence Similarities

Belongs to the sulfatase family.

Anti-ARSA Picoband Antibody - Protein Information

Name ARSA

Function

Hydrolyzes cerebroside sulfate.

Cellular Location

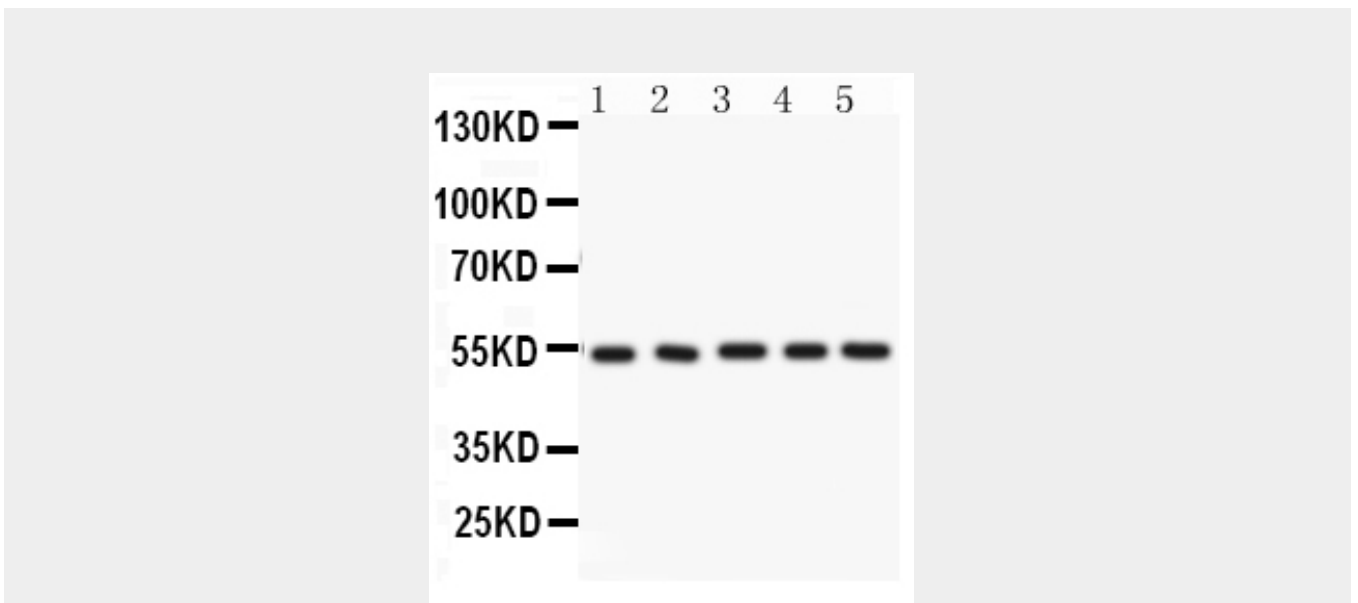
Endoplasmic reticulum. Lysosome

Anti-ARSA Picoband Antibody - Protocols

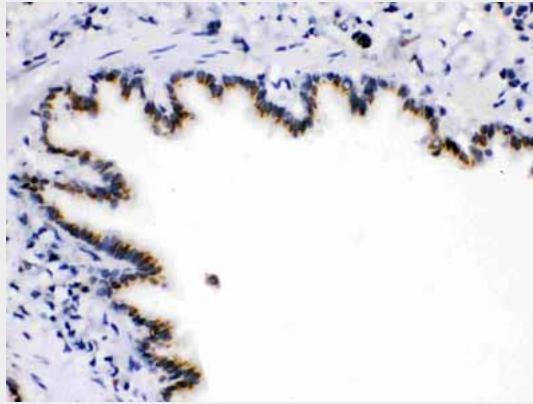
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

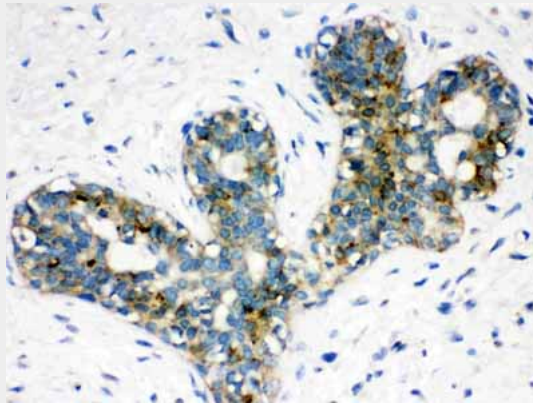
Anti-ARSA Picoband Antibody - Images



Anti-ARSA Picoband antibody, ABO12165, Western blotting All lanes: Anti ARSA (ABO12165) 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



Anti-ARSA Picoband antibody, ABO12165, IHC(P) IHC(P): Rat Lung Tissue



Anti-ARSA Picoband antibody, ABO12165, IHC(P) IHC(P): Human Mammary Cancer Tissue

Anti-ARSA Picoband Antibody - 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.