

**Anti-ARSA Picoband Antibody**  
Catalog # ABO12165

**Specification**

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**Anti-ARSA Picoband Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P15289</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human, Mouse, Rat</b>
Clonality	<b>Polyclonal</b>
Format	<b>Lyophilized</b>

**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<br>Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Lysosome.

**Protein Name**

Arylsulfatase A

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>N.

**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

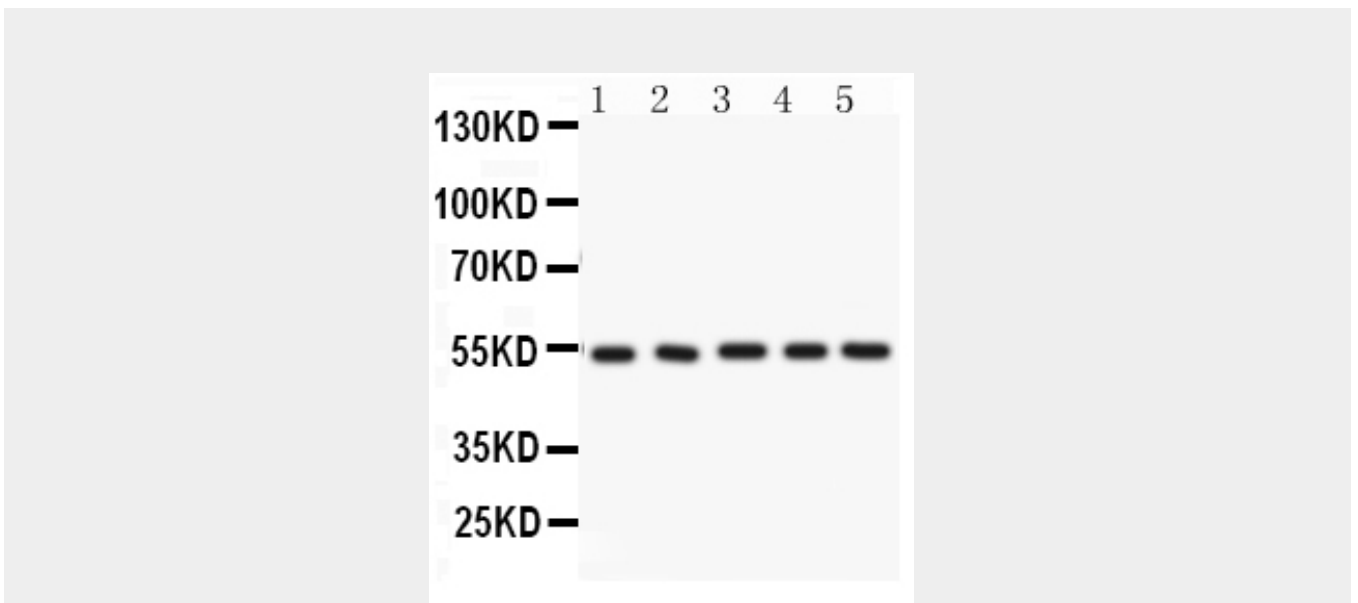
Endoplasmic reticulum. Lysosome

## Anti-ARSA Picoband Antibody - Protocols

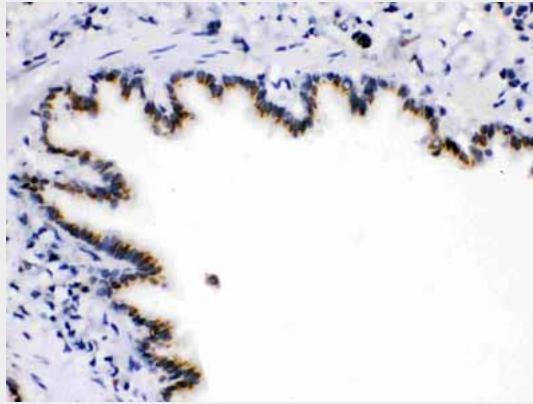
Provided below are standard protocols that you may find useful for product applications.

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

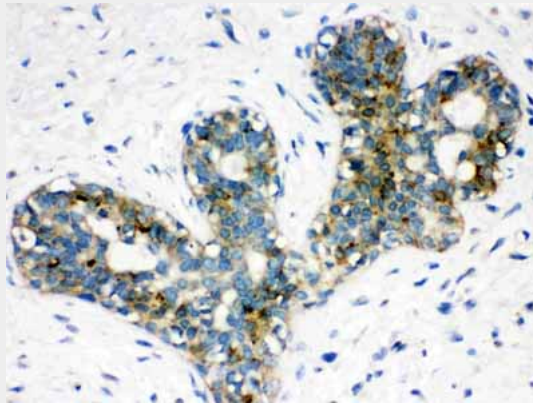
## Anti-ARSA Picoband Antibody - Images



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.