

Rabbit ARSB / Arylsulfatase B Polyclonal Antibody | anti-ARSB antibody

Anti-ARSB / Arylsulfatase B Antibody (C-Terminus) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21268	Rabbit	Mouse, Rat, Human	Immunohistochemistry, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

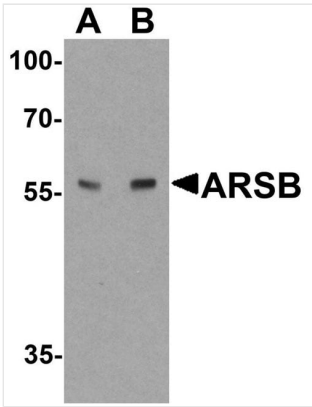
ARSB / Arylsulfatase B; Polyclonal Antibody; Anti-ARSB / Arylsulfatase B Antibody (C-Terminus) IHC-plus; Rabbit Polyclonal (IgG) to Human ARSB / Arylsulfatase B; Human ARSB / Arylsulfatase B; Arylsulfatase B; ASB; G4S; MPS6; anti-ARSB antibody

PRODUCT SPECIFICATIONS

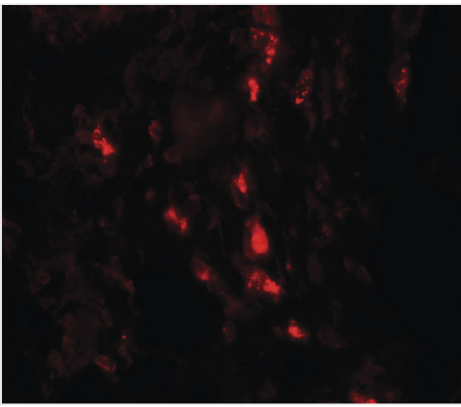
Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ARSB antibody is human, mouse and rat reactive. At least two isoforms of ARSB are known to exist; this antibody only recognizes the longest isoform.
Purity/Purification	Peptide Column Affinity Chromatography
Form/Format	PBS, 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	533
Applicable Applications for anti-ARSB antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), ELISA
Application Notes	IHC-P: 10 ug/ml IF: 20 ug/ml WB: 1 - 2 ug/ml Optimal dilution to be determined by the researcher.
Immunogen	ARSB / Arylsulfatase B antibody was raised against 16 amino acid peptide near the carboxy terminus of human ARSB. The immunogen is located within aa 460-510 of ARSB.
Antigen Type	Synthetic Peptide
Target	ARSB/Arylsulfate B
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.
Immunogen Species	ARSB/Arylsulfatase B antibody was raised against Human
Usage Summary	ARSB antibody can be used for detection of ARSB by Western blot at 1 - 2 ug/ml. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Western Blot: Predicted: 59 kDa Observed: 57kDa

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech, Inc. makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C for up to 3 months. Store at -20°C for up to 1 year. Avoid repeat freeze-thaw cycles

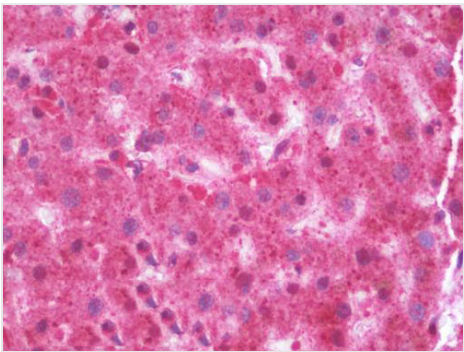
IMAGES



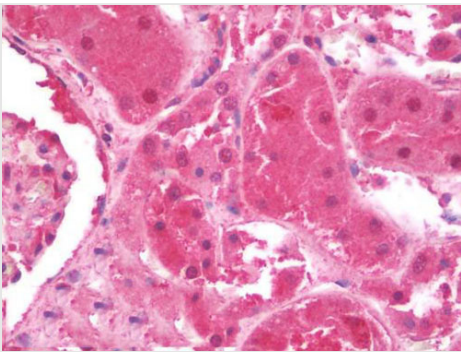
WB (Western Blot)
Western blot analysis of ARSB in mouse lung tissue lysate with ARSB antibody at (A) 1 and (B) 2 ug/ml.



IF (Immunofluorescence)
Immunofluorescence of ARSB in human lung tissue with ARSB antibody at 20 ug/ml.



IHC (Immunohistochemistry)
Anti-ARSB / Arylsulfatase B antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ARSB / Arylsulfatase B antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ARSB antibody	ARSB Antibody, Arylsulfatase B Antibody, ASB Antibody, G4S Antibody, MPS6 Antibody Description: Arylsulfatase B encoded by this gene belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondroitin sulfate, and dermatan sulfate. The protein is targetted to the lysosome. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38569405
NCBI GeneID	411
NCBI Accession #	NP_000037.2
NCBI GenBank Nucleotide #	NM_000046.3
UniProt Accession #	P15848; Q8N322; Q9UDI9; B2RC20
Molecular Weight	Predicted MW: 59 kDa Observed MW: 57kDa
NCBI Official Full Name	arylsulfatase B isoform 1
NCBI Official Synonym Full Names	arylsulfatase B

NCBI Official Symbol	ARSB
NCBI Official Synonym Symbols	ASB; G4S; MPS6
NCBI Protein Information	arylsulfatase B
UniProt Protein Name	Arylsulfatase B
UniProt Gene Name	ARSB
UniProt Synonym Gene Names	ASB; G4S
UniProt Entry Name	ARSB_HUMAN

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://www.aaabiotech.com/polyclonal/arsb-arylsulfatase-b-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/21268>