

ARSB / Arylsulfatase B Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16770**Specification**

ARSB / Arylsulfatase B Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P15848
Other Accession	411
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	59687
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

ARSB / Arylsulfatase B Antibody (C-Terminus) - Additional Information**Gene ID** 411**Other Names**

ARSB, Arylsulfatase B, ASB, G4S, MPS6

Target/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.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

ARSB / Arylsulfatase B Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ARSB / Arylsulfatase B Antibody (C-Terminus) - Protein Information**Name** ARSB**Function**

Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation (PubMed:19306108). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (PubMed:19306108). In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels (By similarity).

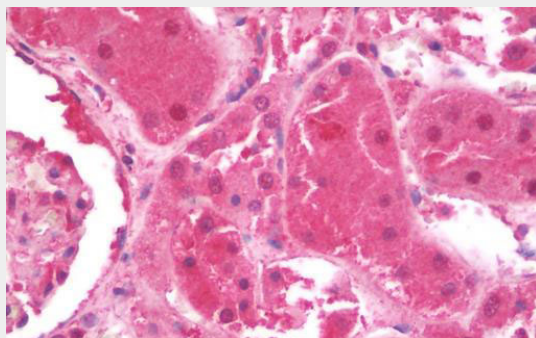
Cellular Location

Lysosome {ECO:0000250|UniProtKB:P50429}. Cell surface {ECO:0000250|UniProtKB:P50429}

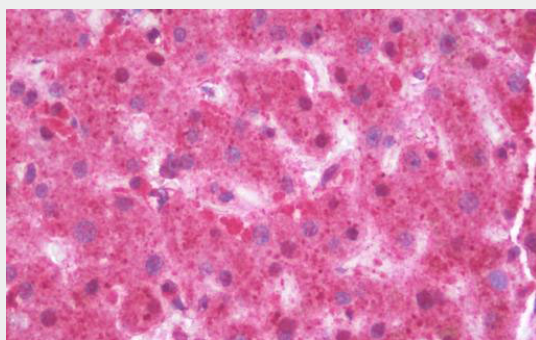
ARSB / Arylsulfatase B Antibody (C-Terminus) - Protocols

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

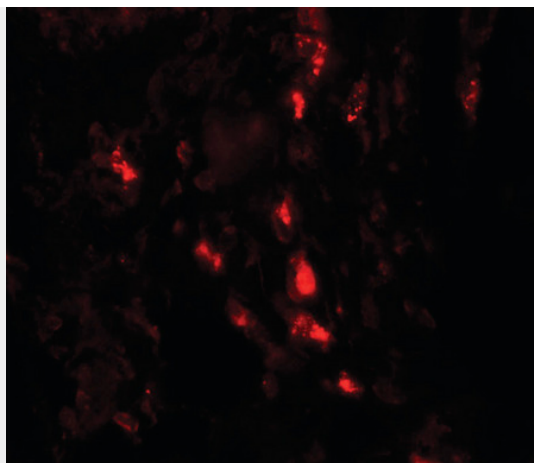
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARSB / Arylsulfatase B Antibody (C-Terminus) - Images

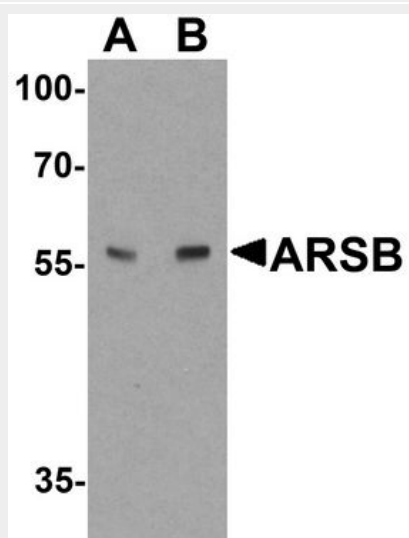
Anti-ARSB / Arylsulfatase B antibody IHC staining of human kidney.



Anti-ARSB / Arylsulfatase B antibody IHC staining of human liver.



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



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

ARSB / Arylsulfatase B Antibody (C-Terminus) - Background

Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation (PubMed:19306108). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (PubMed:19306108). In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels (By similarity).

ARSB / Arylsulfatase B Antibody (C-Terminus) - References

Peters C.,et al.J. Biol. Chem. 265:3374-3381(1990).
Schuchman E.H.,et al.Genomics 6:149-158(1990).
Modaressi S.,et al.Biol. Chem. Hoppe-Seyler 374:327-335(1993).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).