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ARSB Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7460b

Product Information

Application	WB, IHC-P, E
Primary Accession	P15848
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18353
Calculated MW	59687
Antigen Region	464-493

Additional Information

Gene ID	411
Other Names	Arylsulfatase B, ASB, N-acetylgalactosamine-4-sulfatase, G4S, ARSB
Target/Specificity	This ARSB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 464-493 amino acids from the C-terminal region of human ARSB.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ARSB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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}

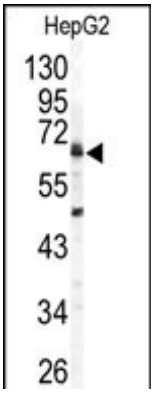
Background

ARSB belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondriotin sulfate, and dermatan sulfate. The protein is targetted to the lysozyme. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B.

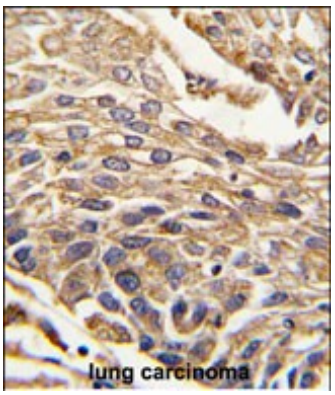
References

Peters C., Schmidt B.J. Biol. Chem. 265:3374-3381(1990)
Modaressi S., Rupp K.Biol. Chem. Hoppe-Seyler 374:327-335(1993)
Kobayashi T., Honke K.Biochim. Biophys. Acta 1159:243-247(1992)

Images



Western blot analysis of ARSB antibody (C-term) (Cat.#AP7460b) in HepG2 cell line lysates (35ug/lane). ARSB (arrow) was detected using the purified Pab .



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ARSB antibody (C-term) (Cat. #AP7460b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.