ARG64392
anti-Arylsulfatase B antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Arylsulfatase B
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_000037.2; NP_942002.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Arylsulfatase B
Species	Human
Immunogen	C-KLARGHTNGTKPLD
Conjugation	Un-conjugated
Alternate Names	N-acetylgalactosamine-4-sulfatase; EC 3.1.6.12; MPS6; ASB; G4S; Arylsulfatase B

Application Instructions

Application table

Application	Dilution
IHC-P	5 - 10 µg/ml
WB	0.03 - 0.1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

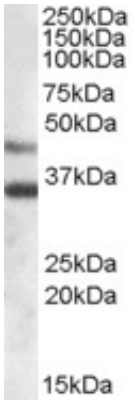
Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

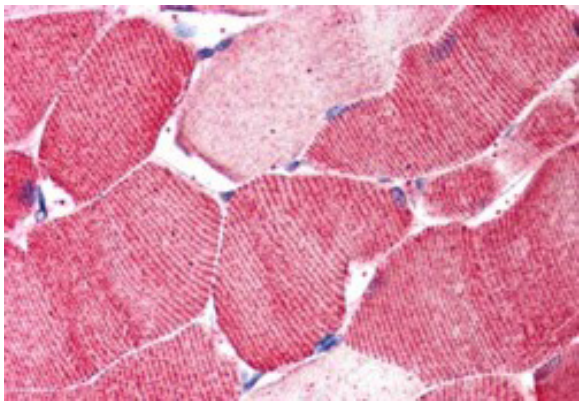
Database links	GeneID: 411 Human Swiss-port # P15848 Human
Background	Arylsulfatase B encoded by this gene belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondriotin sulfate, and dermatan sulfate. The protein is targetted to the lysozyme. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Death antibody; Controls and Markers antibody; Metabolism antibody
Calculated Mw	60 kDa
PTM	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. This post-translational modification is severely defective in multiple sulfatase deficiency (MSD).

Images



ARG64392 anti-Arylsulfatase B antibody WB image

Western Blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG64392 anti-ARSB antibody at 0.03 µg/ml dilution.



ARG64392 anti-Arylsulfatase B antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Skeletal Muscle. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64392 anti-ARSB antibody at 5 µg/ml dilution followed by AP-staining.