



# Anti-ARSB polyclonal antibody (DPAB-DC1890)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 targeted 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.
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_000037.2, NP_942002.1).
<b>Immunogen</b>	A synthetic peptide corresponding to human ARSB. The sequence is C-KLARGHTNGTKPLD
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Tissue lysate), IHC-P, ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">ARSB arylsulfatase B [ Homo sapiens (human) ]</a>
Official Symbol	ARSB
Synonyms	ARSB; arylsulfatase B; ASB; G4S; MPS6; N-acetylgalactosamine-4-sulfatase;
Entrez Gene ID	<a href="#">411</a>
Protein Refseq	<a href="#">NP_000037</a>
UniProt ID	<a href="#">A0A024RAJ9</a>
Chromosome Location	5q14.1
Pathway	CS/DS degradation; Chondroitin sulfate degradation; Dermatan sulfate degradation; Disease.
Function	N-acetylgalactosamine-4-sulfatase activity; arylsulfatase activity; metal ion binding;