

For Research Use Only

XYLT1 Polyclonal antibody

Catalog Number: 55061-1-AP

2 Publications



Basic Information

Catalog Number:

55061-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 620 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_022166

GeneID (NCBI):

64131

UNIPROT ID:

Q86Y38

Full Name:

xylosyltransferase I

Calculated MW:

108 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, BxPC-3 cells

IHC : mouse kidney tissue, mouse pancreas tissue

Background Information

XYLT1, also named as XT1, Belongs to the glycosyltransferase 14 family and XylT subfamily. It catalyzes the first step in biosynthesis of glycosaminoglycan. XYLT1 transfers D-xylose from UDP-D-xylose to specific serine residues of the core protein. Initial enzyme in the biosynthesis of chondroitin sulfate and dermatan sulfate proteoglycans in fibroblasts and chondrocytes. The antibody is specific to XYLT1.

Notable Publications

Author	Pubmed ID	Journal	Application
Akiko Niibori-Nambu	38309500	J Biol Chem	WB
Hongya Guo	37094421	Phytomedicine	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

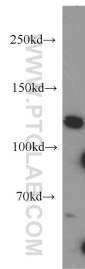
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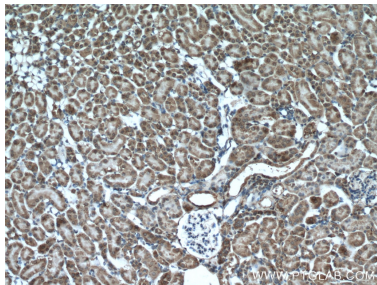
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 55061-1-AP (XYLT1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 55061-1-AP (XYLT1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).