

For Research Use Only

# XYLT1 Polyclonal antibody

Catalog Number: 55061-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

55061-1-AP

**Size:**

1000 µg/ml

**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:**

IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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
Hongya Guo	37094421	Phytomedicine	WB

## Storage

**Storage:**

Store at -20°C.

**Storage Buffer:**

0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

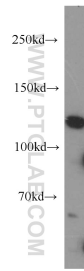
T: 4006900926

E: Proteintech-CN@ptglab.com

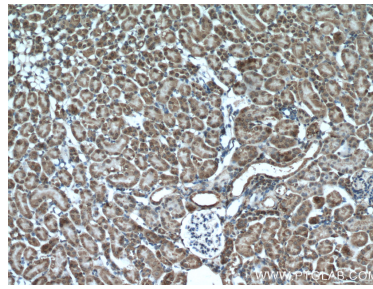
W: ptgcn.com

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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).