

For Research Use Only

# Matrilin 2 Polyclonal antibody

Catalog Number: 24064-1-AP

4 Publications



## Basic Information

Catalog Number:

24064-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21113

GenBank Accession Number:

BC010444

GeneID (NCBI):

4147

UNIPROT ID:

O00339

Full Name:

matrilin 2

Calculated MW:

107 kDa

Observed MW:

120-150 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, zebrafish

Positive Controls:

WB : NIH/3T3 cells, HEK-293 cells, mouse liver tissue

## Background Information

The matrilins represent a new family of oligomeric non-collagenous extracellular matrix proteins that are assumed to act as adapter molecules connecting other proteins and proteoglycans in the extracellular matrix (PMID: 17513098). Four matrilins (matrilin-1, -2, -3, and -4) have been identified. They all share a structure made up of von Willebrand factor A domains, EGF-like domains and a coiled-coil alpha-helical module (PMID: 18386166). Matrilin-1 and matrilin-3 are expressed mainly in cartilage, while matrilin-2 and matrilin-4 show broader tissue distribution. Matrilin-2 is the largest member of the family. It incorporates into loose and dense connective tissue and becomes associated with some basement membranes (PMID: 17513098).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ranjay Jayadev	35584218	Sci Adv	WB
Li-Fong Seet	35583819	J Mol Med (Berl)	WB, IF
Jingbo Liu	38568332	Funct Integr Genomics	WB, CoIP

## Storage

Storage:

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

Storage Buffer:

PBS with 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:

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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 24064-1-AP (Matrilin 2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.