

For Research Use Only

# Matrilin 2 Polyclonal antibody

Catalog Number: 24064-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 24064-1-AP	<b>GenBank Accession Number:</b> BC010444	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 4147	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00339	
<b>Isotype:</b> IgG	<b>Full Name:</b> matrilin 2	
<b>Immunogen Catalog Number:</b> AG21113	<b>Calculated MW:</b> 107 kDa	
	<b>Observed MW:</b> 120-150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: NIH/3T3 cells, HEK-293 cells, mouse liver tissue
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse, zebrafish	

## 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
Ilenia Matera	38003580	Int J Mol Sci	WB

## 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:

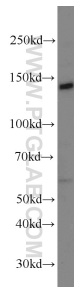
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## Selected Validation Data



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.