

For Research Use Only

Matrilin 2 Polyclonal antibody

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



Basic Information

Catalog Number: 24064-1-AP	GenBank Accession Number: BC010444	Purification Method: Antigen Affinity purified
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4147	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: matrilin 2	
Isotype: IgG	Calculated MW: 107 kDa	
Immunogen Catalog Number: AG21113	Observed MW: 120-150 kDa	

Applications

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

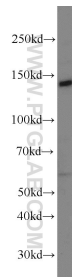
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.