

For Research Use Only

Matrilin 2 Polyclonal antibody

Catalog Number: 24064-1-AP

4 Publications



Basic Information

Catalog Number:

24064-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

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

*** 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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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.