

For Research Use Only

MMP24 Polyclonal antibody

Catalog Number:30102-1-AP



Basic Information

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| Catalog Number: 30102-1-AP | GenBank Accession Number: NM_006690 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 450 ug/ml by Nanodrop; | GeneID (NCBI): 10893 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | UNIPROT ID: Q9Y5R2 | |
| Isotype: IgG | Full Name: matrix metalloproteinase 24 (membrane-inserted) | |
| Immunogen Catalog Number: AG31597 | Calculated MW: 73KD | |
| | Observed MW: 55-58 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : mouse brain tissue, rat brain tissue |
| Species Specificity: Human, mouse, rat | |

Background Information

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP24 (MT5-MMP) is a membrane type matrix metalloproteinase attached to the cell membrane by a transmembrane domain (PMID: 30654475). MMP24 is mainly expressed in the nervous system, hippocampus, and cerebellum (PMID: 10727639,35177031). MMP24 may negatively regulate the aggressiveness of cancer cells under the stiff ECM environment during tumor progression (PMID: 32093160). MMP24 can be detected as 62-65 kDa and 55-58 kDa (PMID: 16495457,20942921,10622708).

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

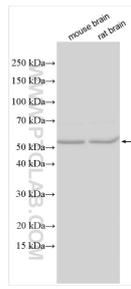
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30102-1-AP (MMP24 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.