

## Rabbit MMP14 Polyclonal Antibody | anti-MMP14 antibody

MMP14 Antibody

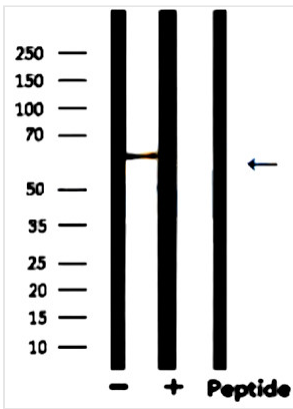
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA30926  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry |

### PRODUCT SYNONYMS

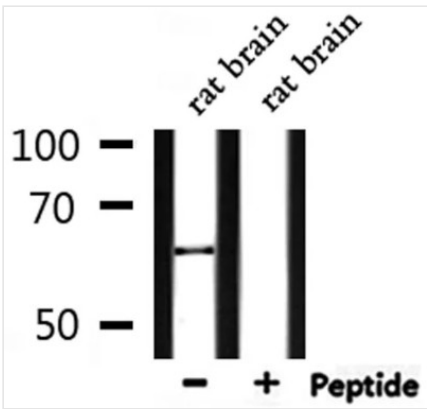
MMP14; Polyclonal Antibody; MMP14 Antibody; Matrix metalloproteinase 14 (membrane inserted); Matrix metalloproteinase 14; Matrix metalloproteinase-14; Membrane type 1 matrix metalloproteinase; Membrane type 1 metalloproteinase; Membrane type matrix metalloproteinase 1; Membrane-type matrix metalloproteinase 1; Membrane-type-1 matrix metalloproteinase; MMP 14; MMP X1; MMP-14; MMP-X1; Mmp14; MMP14\_HUMAN; MMPX1; MT MMP 1; MT-MMP 1; MT1 MMP; MT1-MMP; MT1MMP; MTMMP 1; MTMMP1; anti-MMP14 antibody

### PRODUCT SPECIFICATIONS

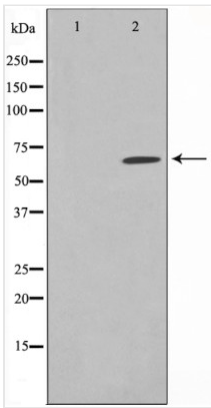
|                                                 |                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                          |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                      |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                             |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).                                                                                                                                                        |
| Form/Format                                     | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                             |
| Concentration                                   | ~1mg/ml (varies by lot)                                                                                                                                                                                                                                                         |
| Sequence Length                                 | 582                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-MMP14 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)                                                                                                                                                                               |
| Application Notes                               | WB: 1:500-1:3000<br>IHC: 1:50-1:200<br>IF/ICC: 1:100-1:500<br>The optimal dilution should be determined by the end user.<br>IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight. |
| Immunogen                                       | A synthesized peptide derived from human MMP14, corresponding to a region within C-terminal amino acids.                                                                                                                                                                        |
| Preparation and Storage                         | Store at -20°C. Stable for 12 months from date of receipt.                                                                                                                                                                                                                      |



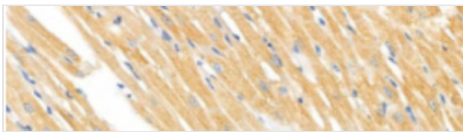
**WB (Western Blot)**  
Western blot analysis of extracts from rat brain, using MMP14 Ab.



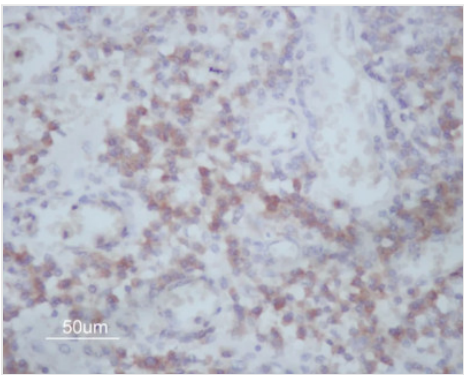
**WB (Western Blot)**  
Western blot analysis of extracts from rat brain, using MMP14 Antibody.



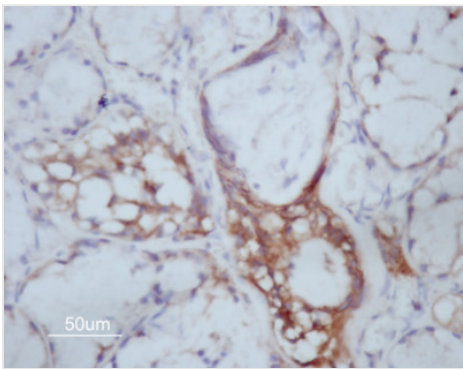
**WB (Western Blot)**  
Western blot analysis on NIH-3T3 cell lysate using MMP14 Antibody. The lane on the left is treated with the antigen-specific peptide.



**IHC (Immunohistochemistry)**  
AAA30926 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



**IHC (Immunohistochemistry)**  
AAA30926 at 1/200 staining human Oral squamous cell carcinoma sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**IHC (Immunohistochemistry)**  
AAA30926 at 1/200 staining human Oral squamous cell carcinoma sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MMP14 antibody | MMP14 Seems to specifically activate progelatinase A. May thus trigger invasion by tumor cells by activating progelatinase A on the tumor cell surface. Belongs to the peptidase M10A family |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 4826834 |
|-----------|---------|

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">4323</a>                                                                              |
| NCBI Accession #                 | <a href="#">NP_004986.1</a>                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_004995.3</a>                                                                       |
| UniProt Accession #              | <a href="#">P50281</a> ; <a href="#">Q6GSF3</a> ; <a href="#">Q92678</a> ; <a href="#">A8K5L0</a> |
| Molecular Weight                 | 55kd, 65 kDa                                                                                      |
| NCBI Official Full Name          | matrix metalloproteinase-14 preproprotein                                                         |
| NCBI Official Synonym Full Names | matrix metalloproteinase 14                                                                       |
| NCBI Official Symbol             | MMP14                                                                                             |
| NCBI Official Synonym Symbols    | MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1                                 |
| NCBI Protein Information         | matrix metalloproteinase-14                                                                       |
| UniProt Protein Name             | Matrix metalloproteinase-14                                                                       |
| UniProt Gene Name                | <b>MMP14</b>                                                                                      |
| UniProt Synonym Gene Names       | MMP-14; MT-MMP 1; MTMMP1; MT1-MMP; MT1MMP                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/mmp14-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30926>