

## Rabbit anti-Human MMP25 Polyclonal Antibody | anti-MMP25 antibody

MMP25 Antibody (C-term)

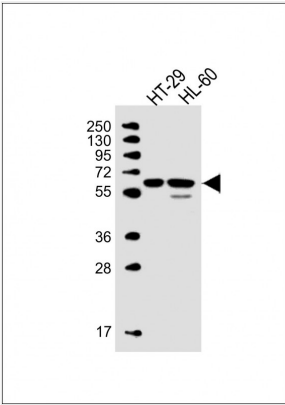
|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA290953</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

MMP25; Polyclonal Antibody; MMP25 Antibody (C-term); Matrix metalloproteinase-25; MMP-25; 3424-; Leukolysin; Membrane-type matrix metalloproteinase 6; MT-MMP 6; MTMMP6; Membrane-type-6 matrix metalloproteinase; MT6-MMP; MT6MMP; MMP20; MMPL1; anti-MMP25 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                 |
| Reactivity                                      | Human                                                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                             |
| Isotype                                         | Ig                                                                                                                                                                     |
| Specificity                                     | This MMP25 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 470-499 amino acids from the C-terminal region of human MMP25. |
| Sequence Length                                 | 562                                                                                                                                                                    |
| Applicable Applications for anti-MMP25 antibody | ELISA, WB (Western Blot)                                                                                                                                               |
| Antigen Source                                  | Human                                                                                                                                                                  |
| Antigen Region                                  | 470-499                                                                                                                                                                |
| Antigen Type                                    | Recombinant Protein                                                                                                                                                    |
| Function                                        | May activate progelatinase A.                                                                                                                                          |
| Cellular Location                               | Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Secreted, extracellular space, extracellular matrix                                                       |
| Tissue Location                                 | Expressed predominantly in leukocytes, lung and spleen. Expressed also in colon carcinoma, astrocytoma and glioblastomas                                               |
| Preparation and Storage                         | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                |



**WB (Western Blot)**  
All lanes : Anti-MMP25 Antibody (R485) at 1:1000 dilution  
Lane 1: HT-29 whole cell lysate  
Lane 2: HL-60 whole cell lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 63 kDa  
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MMP25 antibody</b> | <p>Description: Purified Rabbit Polyclonal Antibody (Pab)</p> <p>Background: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, MMP25 is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. In addition, it is thought that this protein is activated intracellularly by furin-like enzymes. This protein activates MMP2 by cleavage. The gene has previously been referred to as MMP20 but has been renamed matrix metalloproteinase 25 (MMP25).</p> |
| <b>Product Categories/Family for anti-MMP25 antibody</b>   | <p>Cancer; Cell Biology; Signal Transduction</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>References</b>                                          | <p>Matsuda, A., et al., J. Biol. Chem. 278(38):36350-36357 (2003). Velasco, G., et al., Cancer Res. 60(4):877-882 (2000). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999). Pei, D., Cell Res. 9(4):291-303 (1999). Kojima, S., et al., FEBS Lett. 480 (2-3), 142-146 (2000).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                         |                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 12585274                                                                 |
| <b>NCBI GeneID</b>                      | 64386                                                                    |
| <b>UniProt Accession #</b>              | Q9NPA2                                                                   |
| <b>Molecular Weight</b>                 | Calculated MW: H=63 kDa                                                  |
| <b>NCBI Official Full Name</b>          | Matrix metalloproteinase-25                                              |
| <b>NCBI Official Synonym Full Names</b> | matrix metallopeptidase 25                                               |
| <b>NCBI Official Symbol</b>             | MMP25                                                                    |
| <b>NCBI Official Synonym Symbols</b>    | MMP20; MMPL1; MMP-25; MMP20A; MT6MMP; MTMMP6; MT-MMP6; MT6-MMP; MT-MMP 6 |
| <b>NCBI Protein Information</b>         | matrix metalloproteinase-25                                              |
| <b>UniProt Protein Name</b>             | Matrix metalloproteinase-25                                              |
| <b>UniProt Gene Name</b>                | MMP25                                                                    |

|                            |                                                                 |
|----------------------------|-----------------------------------------------------------------|
| UniProt Synonym Gene Names | MMP20; MMPL1; MT6MMP; MMP-25; MT-MMP 6; MTMMP6; MT6-MMP; MT6MMP |
| UniProt Entry Name         | MMP25_HUMAN                                                     |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp25-antibody-western-blot-elisa/290953>