

# MCPT4 Rabbit pAb

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Catalog # AP57231

## Product Information

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| <b>Application</b>         | WB, IHC-P, IHC-F, IF                                                                                                      |
| <b>Primary Accession</b>   | <a href="#">P21812</a>                                                                                                    |
| <b>Predicted</b>           | Rat, Mouse                                                                                                                |
| <b>Host</b>                | Rabbit                                                                                                                    |
| <b>Clonality</b>           | Polyclonal                                                                                                                |
| <b>Calculated MW</b>       | 27204                                                                                                                     |
| <b>Physical State</b>      | Liquid                                                                                                                    |
| <b>Immunogen</b>           | KLH conjugated synthetic peptide derived from mouse MCPT4                                                                 |
| <b>Epitope Specificity</b> | 51-150/246                                                                                                                |
| <b>Isotype</b>             | IgG                                                                                                                       |
| <b>Purity</b>              | affinity purified by Protein A                                                                                            |
| <b>Buffer</b>              | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| <b>Important Note</b>      | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

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| <b>Gene ID</b>     | 17227                                                                                                                                                                                           |
| <b>Other Names</b> | Mast cell protease 4, mMCP-4, 3.4.21.-, MSMCP, Myonase, Serosal mast cell protease, Mcpt4                                                                                                       |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                  |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b>     | Mcpt4                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b> | Has chymotrypsin-like activity. Hydrolyzes the amide bonds of synthetic substrates having Tyr and Phe residues at the P1 position. Preferentially hydrolyzes the 'Tyr-4- -Ile-5' bond of angiotensin I and the 'Phe-20- -Ala-21' bond of amyloid beta-protein, and is less active towards the 'Phe-8- -His-9' bond of angiotensin I and the 'Phe-4- -Ala- 5' and 'Tyr-10- -Glu-11' bonds of amyloid beta-protein. Involved in thrombin regulation and fibronectin processing. |

**Tissue Location**

Submucosal mast cells. In femoral muscle, detected in myocytes but not in mast cells.

**Background**

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.