

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

MME Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA243764 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

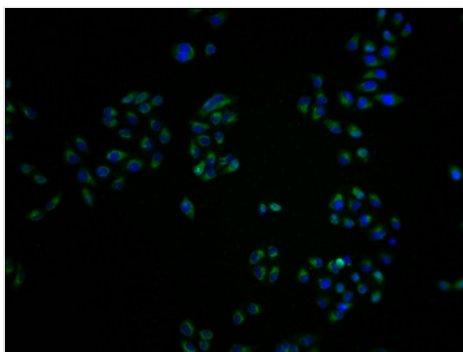
### PRODUCT SYNONYMS

MME; Polyclonal Antibody; MME Antibody; Neprilysin (EC 3.4.24.11) (Atriopeptidase) (Common acute lymphocytic leukemia antigen) (CALLA) (Enkephalinase) (Neutral endopeptidase 24.11) (NEP) (Neutral endopeptidase) (Skin fibroblast elastase) (SFE) (CD antigen CD10); EPN; anti-MME antibody

### PRODUCT SPECIFICATIONS

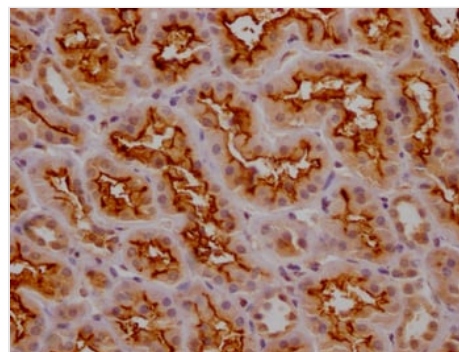
|                                               |                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                    |
| Reactivity                                    | Human                                                                                     |
| Clonality                                     | Polyclonal                                                                                |
| Isotype                                       | IgG                                                                                       |
| Purity/Purification                           | >95%, Protein G purified                                                                  |
| Form/Format                                   | Liquid<br>Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH7.4 |
| Applicable Applications for anti-MME antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                |
| Conjugation                                   | Non-conjugated                                                                            |
| Immunogen                                     | Recombinant Human Neprilysin protein (386-617AA)                                          |
| Preparation and Storage                       | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.               |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of Hela cells at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### IHC (Immunohistochemistry)

IHC image diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MME antibody | Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:17101991). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675). Involved in the degradation of atrial natriuretic factor (ANF) (PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573). |
| Product Categories/Family for anti-MME antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 116256329                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 4311                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000893.2                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000902.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P08473; Q3MIX4; A8K6U6; D3DNJ9                                                                                                                                                                                                                                  |
| Molecular Weight                 | 750                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | neprilysin                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | membrane metallo-endopeptidase                                                                                                                                                                                                                                  |
| NCBI Official Symbol             | MME                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | NEP; SFE; CD10; CALLA                                                                                                                                                                                                                                           |
| NCBI Protein Information         | neprilysin; enkephalinase; atriopeptidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase |
| UniProt Protein Name             | Neprilysin                                                                                                                                                                                                                                                      |
| UniProt Gene Name                | MME                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | EPN; CALLA; NEP; Neutral endopeptidase; SFE                                                                                                                                                                                                                     |
| UniProt Entry Name               | NEP_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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