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MME Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5010

Specification

MME Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P08473
Reactivity	**Human**
Predicted	**Mouse, Rat, Rabbit**
Host	**Rabbit**
Clonality	**polyclonal**
Calculated MW	**H=86;M=86;Rat=86 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

MME Antibody (N-term) - Additional Information

Gene ID 4311

Antigen Region
99-132

Other Names
Neprilysin, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 2411, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME, EPN

Dilution
WB~~1:1000
IHC-P~~1:25

Target/Specificity
This MME antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 99-132 amino acids from the N-terminal region of human MME.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

Precautions
MME Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MME Antibody (N-term) - Protein Information

Name MME {ECO:0000303|PubMed:27588448, ECO:0000312|HGNC:HGNC:7154}

Function
Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:6208535, PubMed:6349683, 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, PubMed:6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675, PubMed:6349683). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:16254193, PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

Cellular Location
Cell membrane; Single-pass type II membrane protein

MME Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MME Antibody (N-term) - Images

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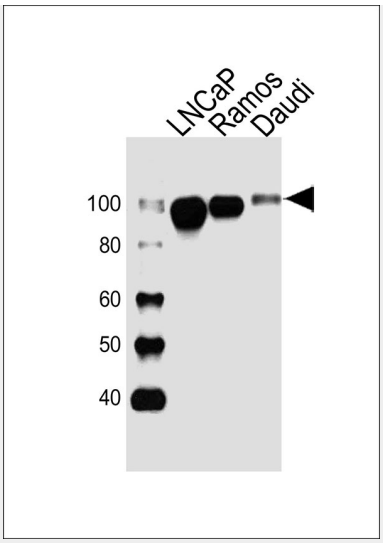
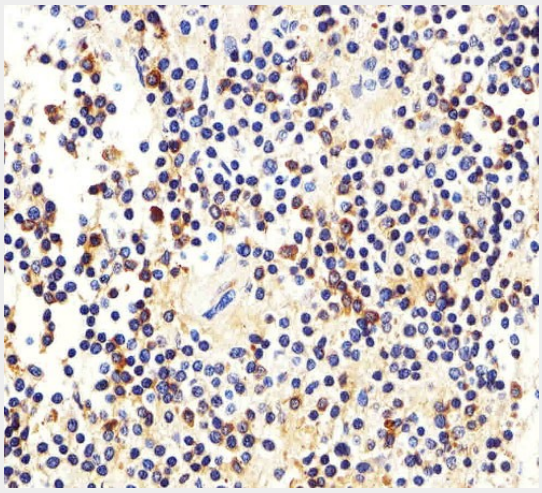


Western blot analysis of lysates from LNCaP, Ramos, Daudi cell line (from left to right), using MME Antibody (N-term)(Cat. #AW5010). AW5010 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded H. spleen section using MME Antibody (N-term)(Cat#AW5010). AW5010 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

MME Antibody (N-term) - Background

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids. Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond. Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9. Involved in the degradation of atrial natriuretic factor (ANF). Displays UV- inducible elastase activity toward skin preelastic and elastic fibers.

MME Antibody (N-term) - References

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D'Adamio L.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:7103-7107(1989).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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