

# MME Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5010

## Product Information

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<b>Application</b>	IHC-P, WB
<b>Primary Accession</b>	<a href="#">P08473</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse, Rat, Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Calculated MW</b>	85514
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	4311
<b>Antigen Region</b>	99-132
<b>Other Names</b>	Neprilysin, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 2411, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME, EPN
<b>Dilution</b>	IHC-P~~1:100~500 WB~~1:1000
<b>Target/Specificity</b>	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.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	MME Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MME {ECO:0000303 PubMed:27588448, ECO:0000312 HGNC:HGNC:7154}
<b>Function</b>	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

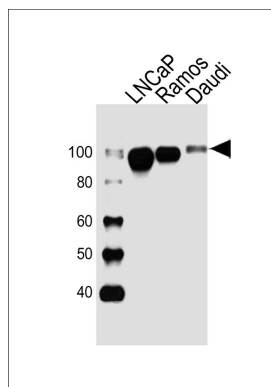
## Background

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.

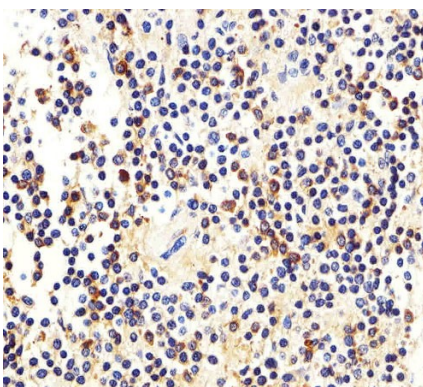
## References

Letarte M.,et al.J. Exp. Med. 168:1247-1253(1988).  
Shipp M.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:4819-4823(1988).  
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).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## Images



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.

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