

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

**Specification**

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**MME Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P08473</a>
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:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</a>, PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>, PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>, PubMed:<a href="http://www.uniprot.org/citations/8168535" target="\_blank">8168535</a>). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:<a href="http://www.uniprot.org/citations/17101991" target="\_blank">17101991</a>, PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</a>, PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:<a href="http://www.uniprot.org/citations/16254193" target="\_blank">16254193</a>, PubMed:<a href="http://www.uniprot.org/citations/2531377" target="\_blank">2531377</a>, PubMed:<a href="http://www.uniprot.org/citations/2972276" target="\_blank">2972276</a>). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:<a href="http://www.uniprot.org/citations/20876573" target="\_blank">20876573</a>).

### Cellular Location

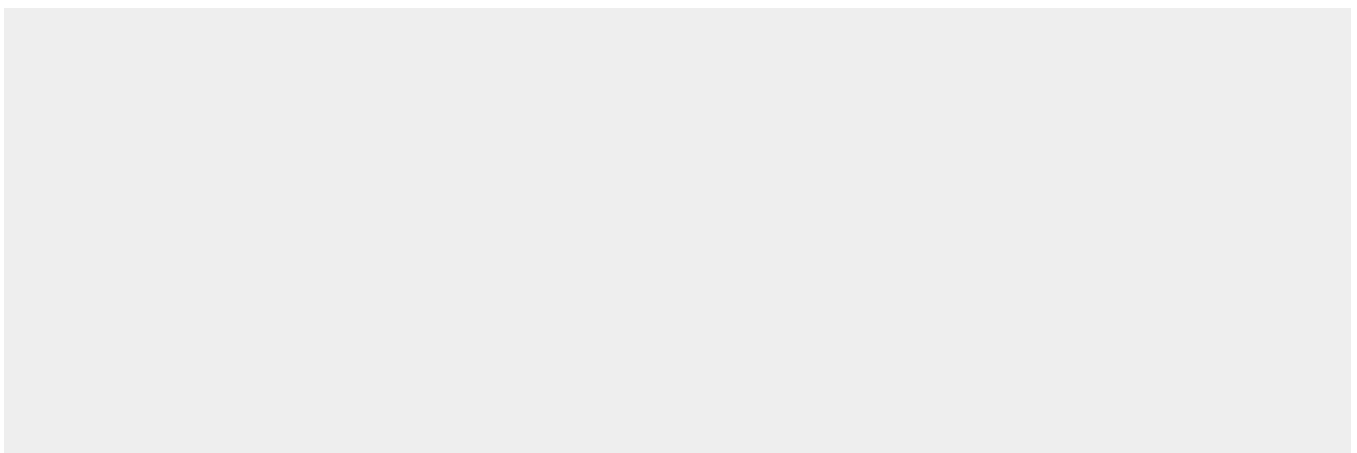
Cell membrane; Single-pass type II membrane protein

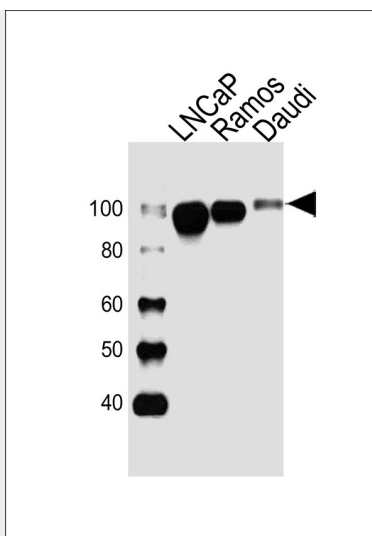
### MME Antibody (N-term) - Protocols

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

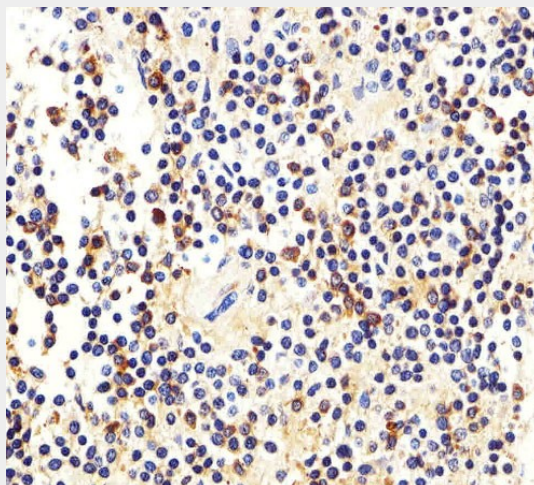
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MME Antibody (N-term) - 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.

#### **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**

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&apos;Adamio L.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:7103-7107(1989).  
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 Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.