

**MME Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20698c****Specification**

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**MME Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P08473</a>
Other Accession	<a href="#">P08049</a>
Reactivity	Human, Mouse, Rat
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	85514

**MME Antibody (Center) - Additional Information****Gene ID** 4311**Other Names**

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

**Target/Specificity**

This MME antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 492-525 amino acids from the Central region of human MME.

**Dilution**

WB~~1:1000

IHC-P~~1:25

**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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**MME Antibody (Center) - 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:[6349683](#), PubMed:[6208535](#), 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:[6349683](#), PubMed:[17101991](#)). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:[6208535](#)). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:[6349683](#), PubMed:[15283675](#)). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:[2531377](#), PubMed:[2972276](#), PubMed:[16254193](#)). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:[20876573](#)).

#### Cellular Location

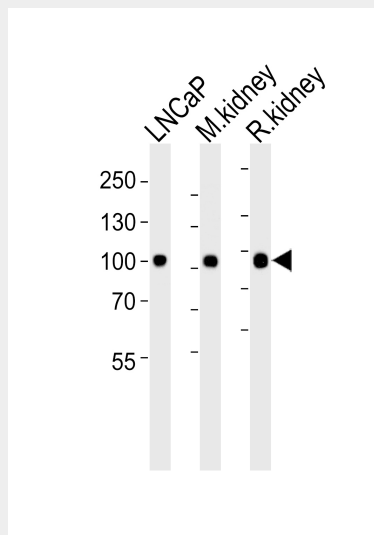
Cell membrane; Single-pass type II membrane protein

#### MME Antibody (Center) - Protocols

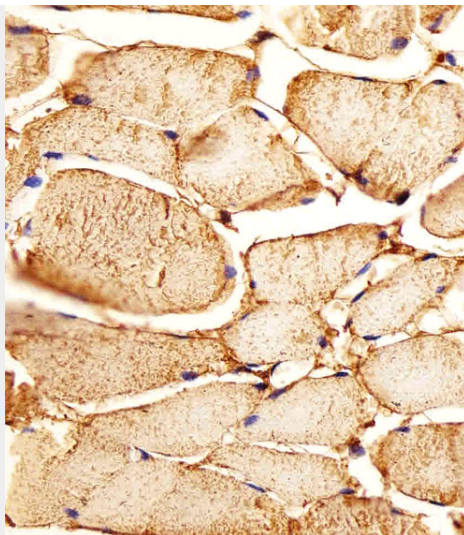
Provided below are standard protocols that you may find useful for product applications.

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

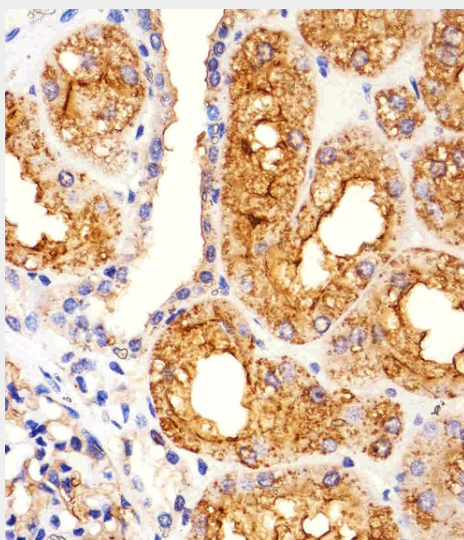
#### MME Antibody (Center) - Images



Western blot analysis of lysates from LNCaP cell line, mouse kidney, rat kidney tissue lysate (from left to right), using MME Antibody (Center) (Cat. #AP20698c). AP20698c 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. Lysates at 35ug per lane.



Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using MME Antibody (Center)(Cat#AP20698c). AP20698c 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.



Immunohistochemical analysis of paraffin-embedded H. kidney section using MME Antibody (Center)(Cat#AP20698c). AP20698c 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 (Center) - 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 (Center) - 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.