

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

Specification

MME Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	P08473
Other Accession	P08049
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

IHC-P~~1:25
WB~~1:1000
E~~Use at an assay dependent concentration.

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:[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

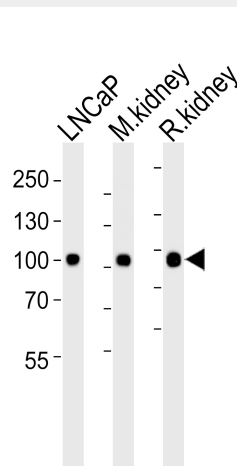
Cell membrane; Single-pass type II membrane protein

MME Antibody (Center) - Protocols

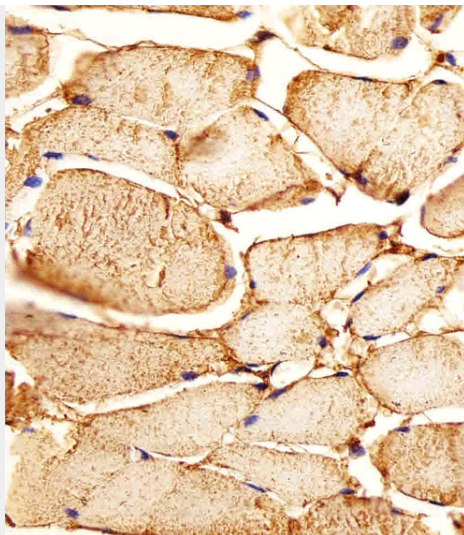
Provided below are standard protocols that you may find useful for product applications.

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

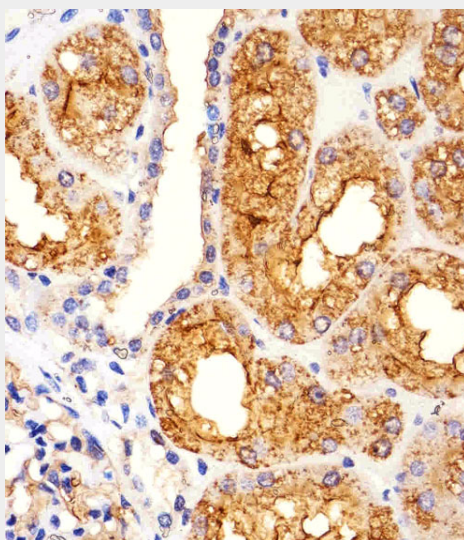
MME Antibody (Center) - Images



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.