

MME Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5339

Specification

MME Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P08473
Other Accession	P08049
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=86;M=86;Rat=86 KDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

MME Antibody (Center) - Additional Information

Gene ID 4311

Antigen Region
492-525

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

Target/Specificity

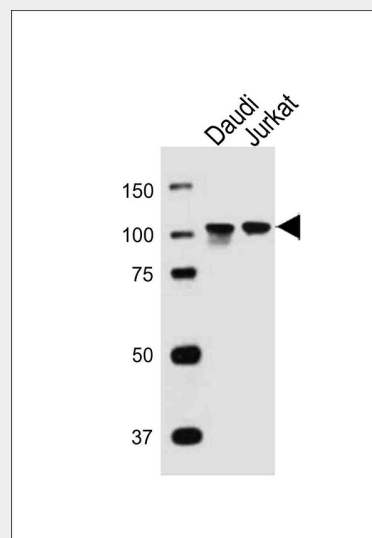
This MME antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 492-525 amino acids from the Central region of human MME.

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



Western blot analysis of lysates from Daudi, Jurkat cell line (from left to right), using MME Antibody (Center) (Cat. #AW5339). AW5339 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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'Amadio L., et al. Proc. Natl. Acad. Sci.

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.

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.

MME Antibody (Center) - Protein Information

Name MME

Synonyms EPN

Function

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (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: 17101991). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (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](#)