

MME / CD10 Antibody (clone G27-P)
Rabbit Polyclonal Antibody
Catalog # ALS16054

Specification

MME / CD10 Antibody (clone G27-P) - Product Information

Application	IHC
Primary Accession	P08473
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86kDa KDa

MME / CD10 Antibody (clone G27-P) - Additional Information

Gene ID 4311

Other Names

Neprilysin, 3.4.24.11, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 24.11, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME, EPN

Reconstitution & Storage

+4°C, avoid freezing

Precautions

MME / CD10 Antibody (clone G27-P) is for research use only and not for use in diagnostic or therapeutic procedures.

MME / CD10 Antibody (clone G27-P) - 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](http://www.uniprot.org/citations/15283675) target="_blank">15283675, PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="_blank">6208535, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">6349683, PubMed: [8168535](http://www.uniprot.org/citations/8168535) target="_blank">8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed: [17101991](http://www.uniprot.org/citations/17101991) target="_blank">17101991, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="_blank">6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed: [15283675](http://www.uniprot.org/citations/15283675) target="_blank">15283675, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">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

Volume

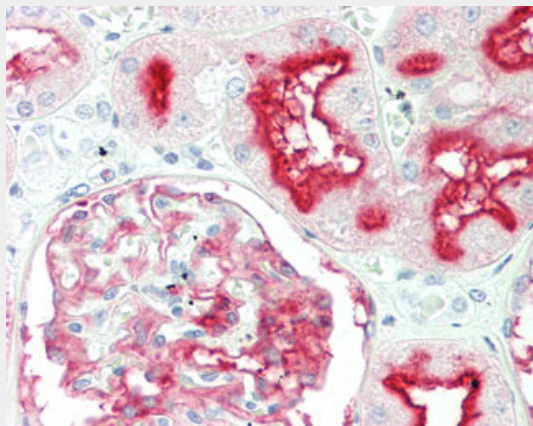
50 µl

MME / CD10 Antibody (clone G27-P) - 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 / CD10 Antibody (clone G27-P) - Images



Anti-MME / CD10 antibody IHC staining of human kidney.

MME / CD10 Antibody (clone G27-P) - Background

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) (PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

MME / CD10 Antibody (clone G27-P) - References

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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.