10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Renal Dipeptidase / DPEP1 Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10960

Specification

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	P16444
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Additional Information

Gene ID 1800

Other Names
Dipeptidase 1, 3.4.13.19, Dehydropeptidase-I, Microsomal dipeptidase, Renal dipeptidase, hRDP, DPEP1, MDP, RDP

Target/Specificity
Human DPEP1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
Renal Dipeptidase / DPEP1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Protein Information

Name DPEP1

Synonyms MDP {ECO:0000303|PubMed:2303490}, RDP

Function
Hydrolyzes a wide range of dipeptides including the conversion of leukotriene D4 to leukotriene E4 (PubMed:2303490, PubMed:6334084, PubMed:31442408, PubMed:32325220). Hydrolyzes cystinyl- bis-glycine (cys-bis-gly) formed during glutathione degradation (PubMed:32325220). Possesses also beta lactamase activity and can hydrolyze the beta-lactam antibiotic imipenem (PubMed:6334084, PubMed:<a

href="http://www.uniprot.org/citations/32325220" target="_blank">32325220).

Cellular Location
Apical cell membrane; Lipid-anchor, GPI-anchor. Cell projection, microvillus membrane; Lipid-anchor, GPI-anchor. Note=Brush border membrane {ECO:0000250|UniProtKB:P31429}

Tissue Location
Expressed in lung and kidneys.

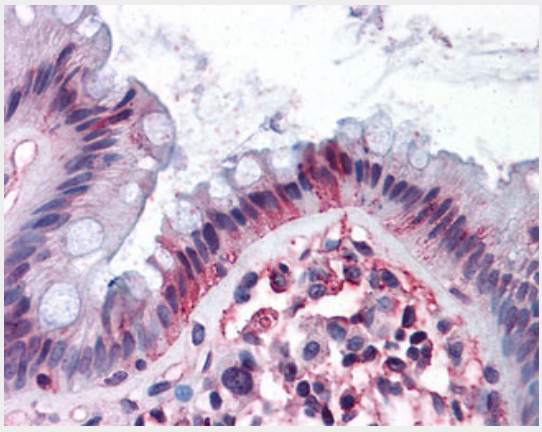
Volume
50 µl

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Images



Anti-DPEP1 antibody ALS10960 IHC of human colon.

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - Background

Hydrolyzes a wide range of dipeptides. Implicated in the renal metabolism of glutathione and its conjugates. Converts leukotriene D4 to leukotriene E4; it may play an important role in the regulation of leukotriene activity.

Renal Dipeptidase / DPEP1 Antibody (N-Terminus) - References

Satoh S.,et al.Biochim. Biophys. Acta 1172:181-183(1993).
Adachi H.,et al.J. Biol. Chem. 265:3992-3995(1990).
Satoh S.,et al.Biotechnol. Prog. 10:134-140(1994).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

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