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DPEP2 Rabbit pAb

Catalog # AP97912

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H4A9
Other Accession	Q9H4A9
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53365
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DPEP2
Epitope Specificity	101-200/486
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase M19 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DPEP2 belongs to the membrane-bound dipeptidase (EC 3.4.13.19) family. These enzymes hydrolyze a variety of dipeptides, including leukotriene D4, the beta-lactam ring of some antibiotics, and cystinyl-bis-glycine (cys-bis-gly) formed during glutathione degradation (Habib et al., 2003 [PubMed 12738806]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	64174
Other Names	MBD2; DPEP2_HUMAN; DPEP2; 3.4.13.19; dipeptidase 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DPEP2
Function	Dipeptidase that hydrolyzes leukotriene D4 (LTD4) into leukotriene E4 (LTE4) (PubMed:32325220). Hydrolyzes cystinyl-bis- glycine (PubMed:32325220).

Cellular Location	Membrane {ECO:0000250|UniProtKB:Q8C255}; Lipid- anchor, GPI-anchor {ECO:0000250|UniProtKB:Q8C255}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.