

DPEP1 Antibody(N-term)

Catalog_no :	AB1958
Applications :	WB, FC
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:1-30
Specificity :	This DPEP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DPEP1.
Dilution :	WB,1:1000;
Purification :	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.
Other_name :	Dipeptidase 1, Dehydropeptidase-I, Microsomal dipeptidase, Renal dipeptidase, hRDP, DPEP1, MDP, RDP
Isotype :	Rabbit Ig
Background :	DPEP1 (EC 3.4.13.11) is a kidney membrane enzyme that hydrolyzes a variety of dipeptides and is implicated in renal metabolism of glutathione and its conjugates, e.g., leukotriene D4 (Kozak and Tate, 1982 [PubMed 6122685]). DPEP1 is responsible for hydrolysis of the beta-lactam ring of antibiotics, such as penem and carbapenem (Campbell et al., 1984 [PubMed 6334084]). Earlier, beta-lactamase enzymes were thought to occur only in bacteria, where their probable function was in protecting the organisms against the action of beta-lactam antibiotics. These antibiotics exhibit selective toxicity against bacteria but virtual inertness against many eukaryotic cells (Adachi et al., 1990 [PubMed 2303490]).
reference :	Nan, H., et al. J. Invest. Dermatol. 129(9):2250-2257(2009) Pare, G., et al. Circ Cardiovasc Genet 2(2):142-150(2009) Nitandai, Y., et al. J. Mol. Biol. 321(2):177-184(2002) Kera, Y., et al. Comp. Biochem. Physiol. B, Biochem. Mol. Biol. 123(1):53-58(