

DNAxPAb

Hard-to-Find
Antibody

DPEP1 DNAxPab

Catalog # H00001800-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DPEP1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MWSGWWLWPLVAVCTADFFRDEAERIMRDSVIDGHNDLPWQLLDMFNNRLQDERANLTTLAG THTNIPKL RAGFVGGQFWSVYTPCDTQNKDAVRRTLEQMDVVHRMCRMYPETFLYVTSSAGIRQ AFREGKVASLIGVEGGHSIDSSLGVLRLALYQLGMRYLTLTHSCNTPWADNWLVDTG DSEPQSQG LSPFGQRVVKELNRLGVLIDLAHVSVATMKATLQLSRAPVIFSHSSAYSVCASRRNVPDDVLR LV KQTD SLVMVNFYNNYISCTNKANLSQVADHLDHIKEVAGARAVGFGGDFDGVPRVPEGLEDVSK YPD LIAELLRRNWTEAEVKGALADNLLRVFEAVEQASNLTQAPEEEPIPLDQLGGSCRTHYGYSS GASSLHRHWGLLLASLAPLALCLSL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DPEP1

Entrez GeneID [1800](#)

GeneBank Accession# [EU832130.1](#)

Protein Accession# [ACE87480.1](#)

Gene Name DPEP1

Gene Alias MBD1, MDP, RDP

Gene Description dipeptidase 1 (renal)

Omim ID [179780](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]).[supplied by OMIM]

Other Designations OTTHUMP00000175356|dipeptidase 1