



Anti-LNPEP (aa 926-1025) polyclonal antibody (DPAB-DC1863)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a zinc-dependent aminopeptidase that cleaves vasopressin, oxytocin, lys-bradykinin, met-enkephalin, dynorphin A and other peptide hormones. The protein can be secreted in maternal serum, reside in intracellular vesicles with the insulin-responsive glucose transporter GLUT4, or form a type II integral membrane glycoprotein. The protein catalyzes the final step in the conversion of angiotensinogen to angiotensin IV (AT4) and is also a receptor for AT4. Alternative splicing results in multiple transcript variants encoding different isoforms.
Immunogen	LNPEP (NP_005566, 926 a.a. ~ 1025 a.a) partial recombinant protein with GST tag. The sequence is FIIRTVGRHFPGHLLAWDFVKENWNKLVQKFPLGSYTIQNIVAGSTYLFSTKTHLSEVQA FFENQSEATFRLRCVQEALEVIQLNIQWMEKNLKS LTWWL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LNPEP leucyl/cystinyl aminopeptidase [Homo sapiens (human)]
Official Symbol	LNPEP
Synonyms	LNPEP; leucyl/cystinyl aminopeptidase; CAP; IRAP; PLAP; P-LAP; leucyl-cystinyl aminopeptidase; otase; oxytocinase; vasopressinase; AT (4) receptor; angiotensin IV receptor; cystinyl aminopeptidase; insulin-regulated aminopeptidase; placental leucine aminopeptidase; insulin-responsive aminopeptidase; insulin-regulated membrane aminopeptidase;
Entrez Gene ID	4012
Protein Refseq	NP_005566
UniProt ID	Q9UIQ6
Chromosome Location	5q15
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Class I MHC mediated antigen processing & Endosomal/Vacuolar pathway
Function	aminopeptidase activity; metallopeptidase activity; zinc ion binding;