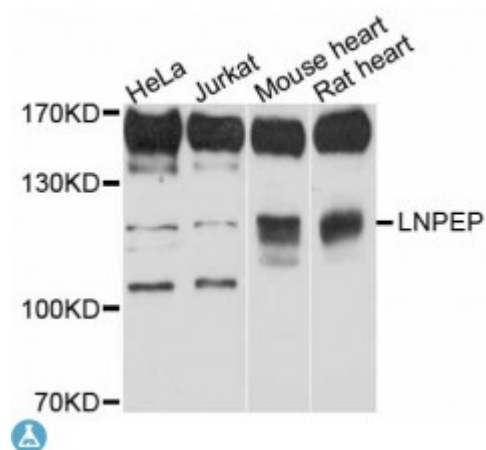


Anti-LNPEP Antibody



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.

Model	STJ113875
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-110 of human LNPEP (NP_005566.2).
Gene ID	4012
Gene Symbol	LNPEP
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in placenta, heart, kidney and small intestine, Detected at lower levels in neuronal cells in the brain, in skeletal muscle, spleen, liver, testes and colon
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Leucyl-cystinyl aminopeptidase Cystinyl aminopeptidase
Molecular Weight	117.349 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6656OMIM:151300Reactome:R-HSA-1236977
Alternative Names	Leucyl-cystinyl aminopeptidase Cystinyl aminopeptidase
Function	Release of an N-terminal amino acid, cleaves before cysteine, leucine as well as other amino acids, Degrades peptide hormones such as oxytocin, vasopressin and angiotensin III, and plays a role in maintaining homeostasis during pregnancy, May be involved in the inactivation of neuronal peptides in the brain, Cleaves Met-enkephalin and dynorphin, Binds angiotensin IV and may be the angiotensin IV receptor in the brain,
Cellular Localization	Cell membrane, Leucyl-cystinyl aminopeptidase, pregnancy serum form: Secreted,
Post-translational Modifications	The pregnancy serum form is derived from the membrane-bound form by proteolytic processing

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