

Rabbit anti-Human LNPEP Polyclonal Antibody | anti-LNPEP antibody

LNPEP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40524	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

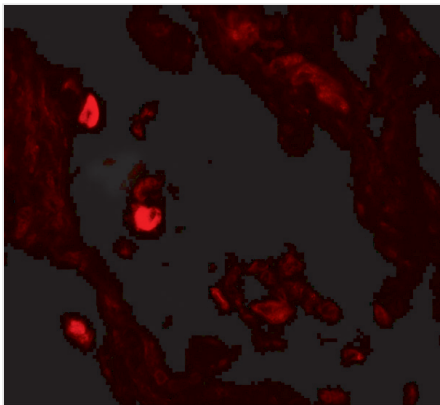
PRODUCT SYNONYMS

LNPEP; Polyclonal Antibody; LNPEP Antibody; CAP; IRAP; PLAP; P-LAP; OTASE; Leucyl-cystinyl aminopeptidase; Insulin-regulated membrane aminopeptidase; Cystinyl aminopeptidase; leucyl/cystinyl aminopeptidase; anti-LNPEP antibody

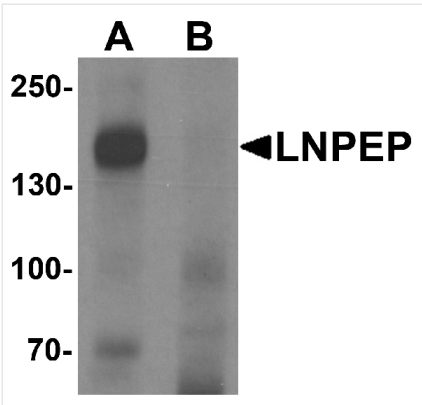
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms are known to exist; this antibody will detect all three isoforms. Despite its predicted molecular weight, LNPEP often migrates at 165kD in SDS-PAGE.
Purity/Purification	LNPEP Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1025
Applicable Applications for anti-LNPEP antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LNPEP antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human LNPEP.
Buffer	LNPEP Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LNPEP antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of LNPEP in human lung tissue with LNPEP antibody at 20 µg/mL.



WB (Western Blot)
Western blot analysis of LNPEP in human lung tissue lysate with LNPEP antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LNPEP antibody	LNPEP Antibody: LNPEP, also known as insulin-responsive aminopeptidase (IRAP), was initially identified as an abundant protein that is associated with specialized endosomes termed GLUT4 storage vesicles (GSVs) in adipocytes. The luminal domain of LNPEP contains an aminopeptidase activity that is involved in peptide hormone processing and antigenic peptide processing. LNPEP is also a key regulator of GLUT4 trafficking by controlling the sorting of GLUT4 from endosomes to the GSVs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61742777
NCBI GeneID	4012
NCBI Accession #	NP_005566
NCBI GenBank Nucleotide #	NM_005575.2
UniProt Accession #	Q9UIQ6; O00769; Q15145; Q59H76; Q9TNQ2; Q9TNQ3; Q9UIQ7
Molecular Weight	113 kDa
NCBI Official Full Name	leucyl-cystinyl aminopeptidase isoform 1
NCBI Official Synonym Full Names	leucyl/cystinyl aminopeptidase
NCBI Official Symbol	LNPEP
NCBI Official Synonym Symbols	CAP; IRAP; PLAP; P-LAP
NCBI Protein Information	leucyl-cystinyl aminopeptidase; otase; oxytocinase; vasopressinase; AT (4) receptor; angiotensin IV receptor; insulin-regulated aminopeptidase; placental leucine aminopeptidase; insulin-responsive aminopeptidase; insulin-regulated membrane aminopeptidase
UniProt Protein Name	Leucyl-cystinyl aminopeptidase
UniProt Gene Name	LNPEP
UniProt Synonym Gene Names	OTASE; Cystinyl aminopeptidase; IRAP; OTase; P-LAP
UniProt Entry Name	LCAP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

