

Datasheet for ABIN1449971
anti-LNPEP antibody (C-Term)



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1 Image

Overview

Quantity:	0.1 mg
Target:	LNPEP
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LNPEP antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid synthetic peptide near the carboxy terminus of Human LNPEP
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	LNPEP
Alternative Name:	LNPEP (LNPEP Products)
Background:	LNPEP, also known as insulin-responsive aminopeptidase (IRAP), was initially identified as an abundant protein that is associated with specialized endosomes termed GLUT4 storage

Target Details

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. Synonyms: Cystinyl aminopeptidase, EC=3.4.11.3, IRAP, Insulin-regulated membrane aminopeptidase, Insulin-responsive aminopeptidase, LNPEP, Leucyl-cystinyl aminopeptidase, OTASE, Oxytocinase, P-LAP, Placental leucine aminopeptidase

Molecular Weight: 113 kDa

Gene ID: 4012

NCBI Accession: [NP_005566](#)

Pathways: [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

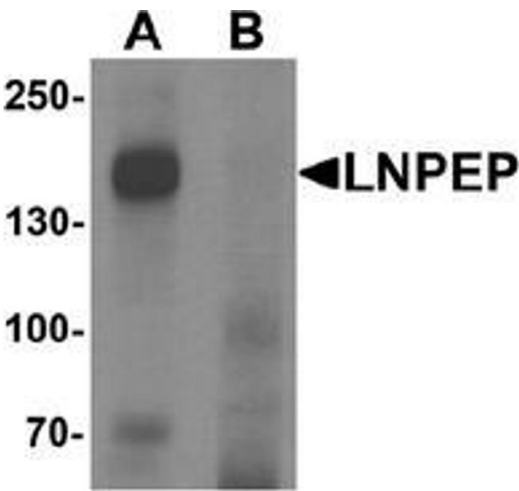
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of LNPEP in human lung tissue lysate with LNPEP Antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.