

Datasheet for ABIN6991762 **anti-LNPEP antibody (C-Term)**



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Overview

Quantity:	0.1 mg
Target:	LNPEP
Binding Specificity:	AA 900-950, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LNPEP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	LNPEP antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human LNPEP. The immunogen is located within amino acids 900 - 950 of LNPEP.
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.
Purification:	LNPEP Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LNPEP
Alternative Name:	LNPEP (LNPEP Products)

Target Details

Background:	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.
Molecular Weight:	113 kDa
Gene ID:	4012
NCBI Accession:	NP_005566
UniProt:	Q9UIQ6
Pathways:	Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	LNPEP antibody can be used for detection of LNPEP by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LNPEP Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	LNPEP antibody can be stored at 4°C for three months and -20°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.