

# NPEPL1 Rabbit pAb

NPEPL1 Rabbit pAb  
Catalog # AP57476

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8NDH3</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Human, Rat, Dog
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	55861
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human NPEPL1
<b>Epitope Specificity</b>	371-470/494
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SIMILARITY** Belongs to the peptidase M17 family.

**Important Note** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions** Aminopeptidases are widely distributed in eukaryotes and prokaryotes. These enzymes catalyze the removal of amino acids from the N-termini of proteins or peptide substrates. Aminopeptidases are involved in regulating hormone levels and are essential for digestive and intracellular protein metabolism. NPEPL1, also referred to as aminopeptidase-like 1, is a 523 amino acid protein that belongs to the peptidase M17 family and is ubiquitously expressed. NPEPL1 may be involved in the processing, catabolism and degradation of intracellular proteins by catalyzing the removal of unsubstituted N-terminal amino acids from various peptides. NPEPL1 contains several zinc binding sites and is expressed as three isoforms due to alternative splicing events.

## Additional Information

---

<b>Gene ID</b>	79716
<b>Other Names</b>	Probable aminopeptidase NPEPL1, 3.4.11.-, Aminopeptidase-like 1, NPEPL1, KIAA1974
<b>Target/Specificity</b>	Ubiquitously expressed.
<b>Dilution</b>	WB=1:500-2000
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

---

<b>Name</b>	NPEPL1
<b>Synonyms</b>	KIAA1974
<b>Function</b>	Probably catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.
<b>Tissue Location</b>	Ubiquitously expressed.

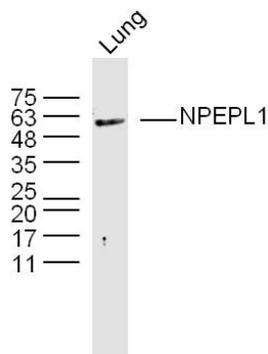
## Background

---

Aminopeptidases are widely distributed in eukaryotes and prokaryotes. These enzymes catalyze the removal of amino acids from the N-termini of proteins or peptide substrates. Aminopeptidases are involved in regulating hormone levels and are essential for digestive and intracellular protein metabolism. NPEPL1, also referred to as aminopeptidase-like 1, is a 523 amino acid protein that belongs to the peptidase M17 family and is ubiquitously expressed. NPEPL1 may be involved in the processing, catabolism and degradation of intracellular proteins by catalyzing the removal of unsubstituted N-terminal amino acids from various peptides. NPEPL1 contains several zinc binding sites and is expressed as three isoforms due to alternative splicing events.

## Images

---



Sample: lung (mouse) Lysate at 40 ug  
Primary: Anti-NPEPL1(AP57476) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 55 kD  
Observed band size: 55 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.