



# PNPase rabbit pAb

Cat No.:ES3242

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | PNPase rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IHC;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300. ELISA:<br>1/20000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human PNPT1. AA range:570-619   |
| <b>Specificity</b>              | PNPase Polyclonal Antibody detects endogenous levels of PNPase protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Polyribonucleotide nucleotidyltransferase 1 mitochondrial   |
| <b>Gene Name</b>                | PNPT1   |
| <b>Cellular localization</b>    | Cytoplasm . Mitochondrion matrix . Mitochondrion intermembrane space ; Peripheral membrane protein .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            | 85kD  |
| <b>Human Gene ID</b>            | 87178   |
| <b>Human Swiss-Prot Number</b>  | Q8TCS8  |
| <b>Alternative Names</b>        | PNPT1; PNPASE; Polyribonucleotide nucleotidyltransferase 1; mitochondrial; 3'-5' RNA exonuclease OLD35; PNPase old-35; Polynucleotide phosphorylase 1; PNPase 1; Polynucleotide |

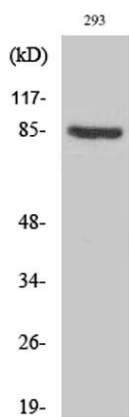




## Background

### phosphorylase-like protein

The protein encoded by this gene belongs to the evolutionary conserved polynucleotide phosphorylase family comprised of phosphate dependent 3'-to-5' exoribonucleases implicated in RNA processing and degradation. This enzyme is predominantly localized in the mitochondrial intermembrane space and is involved in import of RNA to mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency-13 and autosomal recessive nonsyndromic deafness-70. Related pseudogenes are found on chromosomes 3 and 7. [provided by RefSeq, Dec 2012],



Western Blot analysis of various cells using PNPase Polyclonal Antibody diluted at 1:1000

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PNPT1 Antibody. The picture on the right is blocked with the synthesized peptide.

