




Product datasheet

Anti-PNPT1 antibody ab157109

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Overview

Product name	Anti-PNPT1 antibody
Description	Rabbit polyclonal to PNPT1
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Dog, Pig, Chimpanzee, Ferret, Macaque monkey, Rhesus monkey, Common marmoset 
Immunogen	Synthetic peptide corresponding to Human PNPT1 aa 700-800. Database link: Q8TCS8  Run BLAST with  Run BLAST with
Positive control	293T, HeLa and Jurkat whole cell lysate (ab7899).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab157109 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 86 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

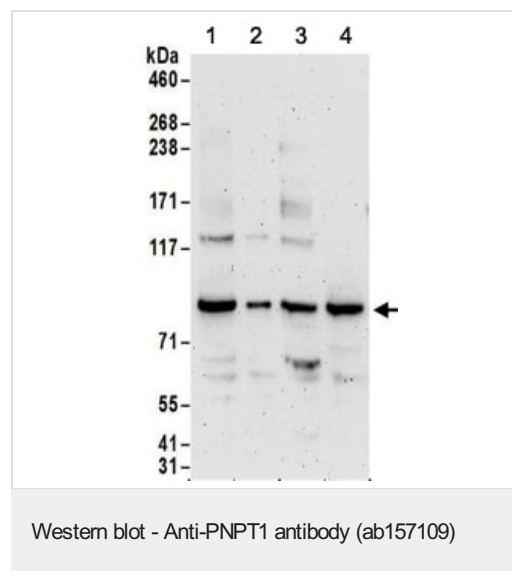
Relevance

PNPT1 is a subunit of the exosome complex, which is involved in 3-prime-to-5-prime exoribonuclease activity for RNA processing and degradation. It contains one KH domain and one S1 motif domain.

Cellular localization

Mitochondrion

Images



All lanes : Anti-PNPT1 antibody (ab157109) at 0.4 µg/ml

Lane 1 : 293T cell lysate at 50 µg

Lane 2 : 293T cell lysate at 15 µg

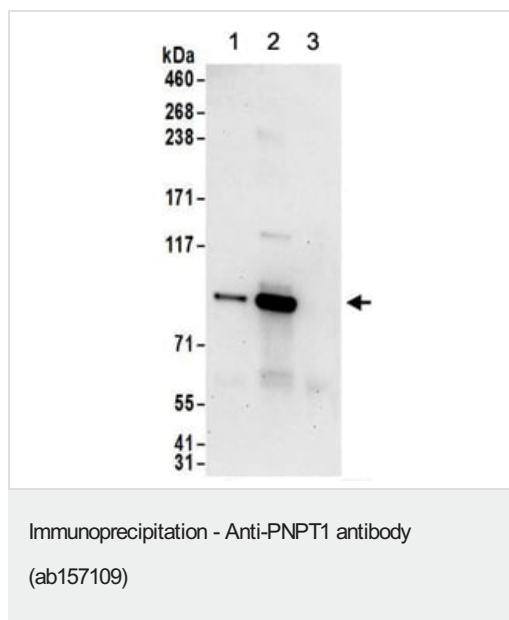
Lane 3 : HeLa cell lysate at 50 µg

Lane 4 : Jurkat cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 86 kDa

Exposure time: 3 minutes



Detection of PNPT1 by Western blot of immunoprecipitate.

Immunoprecipitation of HeLa whole cell lysate at 6 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane), using the following:

Lane 1 : IP with an alternative Rabbit Anti-PNPT1 antibody.

Lane 2 : IP with ab157109.

Lane 3 : Control IgG.

The subsequent Western blot of immunoprecipitates was done using ab157109 at 1 µg/ml.

Detection: Chemiluminescence with exposure time of 30 seconds.

All lanes : Anti-PNPT1 antibody (ab157109)

All lanes : 293T whole cell lysate

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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