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# RPP38 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12741b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P78345 |
| **Other Accession** | Q32LC1, NP_001091059.1, NP_006405.2, NP_892117.1 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Mouse, Rat, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB32415 |
| **Calculated MW** | 31834 |
| **Antigen Region** | 248-277 |

## Additional Information

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|---|---|
| **Gene ID** | 10557 |
| **Other Names** | Ribonuclease P protein subunit p38, RNaseP protein p38, RPP38 |
| **Target/Specificity** | This RPP38 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the C-terminal region of human RPP38. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | RPP38 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | RPP38 |
| **Function** | Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:10444065, PubMed:30454648, PubMed:9037013, PubMed:9630247). Also a component |

of the MRP ribonuclease complex, which cleaves pre- rRNA sequences (PubMed:28115465).

**Cellular Location** Nucleus, nucleolus.

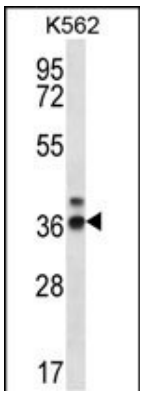
## Background

Component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. RPP38 may associate transiently with RNase P RNA as a factor involved in the transport of H1 RNA to the putative site of its assembly in the cell, the nucleolus.

## References

Wu, C., et al. Proteomics 7(11):1775-1785(2007)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Andersen, J.S., et al. Nature 433(7021):77-83(2005)
Welting, T.J., et al. Nucleic Acids Res. 32(7):2138-2146(2004)

## Images




RPP38 Antibody (C-term) (Cat. #AP12741b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the RPP38 antibody detected the RPP38 protein (arrow).

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