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RT25 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9851b

Specification

RT25 Antibody (C-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	P82663
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**20116**
Antigen Region	**145-173**

RT25 Antibody (C-term) - Additional Information

Gene ID 64432

Other Names
28S ribosomal protein S25, mitochondrial, MRP-S25, S25mt, MRPS25, RPMS25

Target/Specificity
This RT25 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 145-173 amino acids from the C-terminal region of human RT25.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
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
RT25 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RT25 Antibody (C-term) - Protein Information

Name MRPS25

Synonyms RPMS25

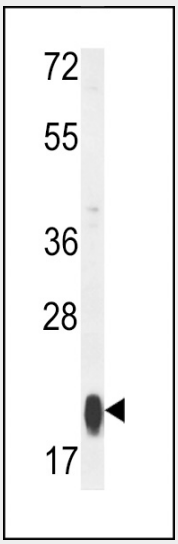
Cellular Location
Mitochondrion.

RT25 Antibody (C-term) - Protocols

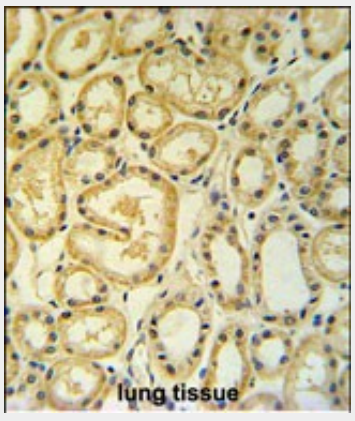
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RT25 Antibody (C-term) - Images



Western blot analysis of RT25 Antibody (C-term) (Cat. #AP9851b) in MCF-7 cell line lysates (35ug/lane). RT25 (arrow) was detected using the purified Pab.



RT25 Antibody (C-term) (Cat. #AP9851b) IHC analysis in formalin fixed and paraffin embedded

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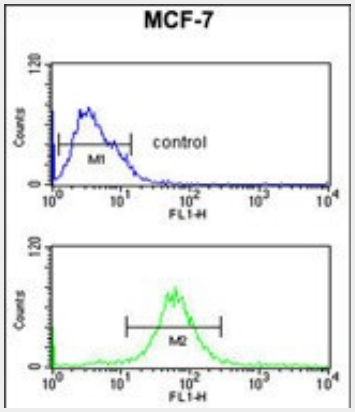
human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RT25 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



RT25 Antibody (C-term) (Cat. #AP9851b) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RT25 Antibody (C-term) - Background

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 4.

RT25 Antibody (C-term) - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Zhang, Z., et al. Genomics 81(5):468-480(2003)
Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
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