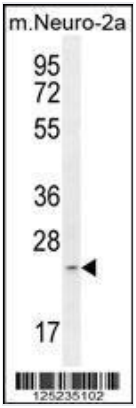
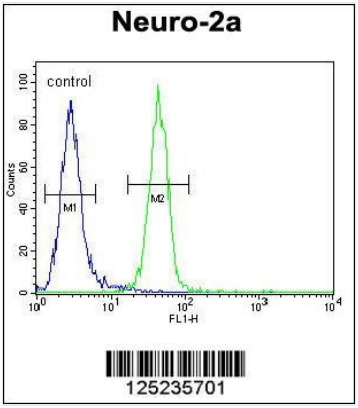
RT34 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RT34, Polyclonal Antibody
Full Product Name	RT34, NT (MRPS34, 28S ribosomal protein S34, mitochondrial)
Product Synonym Names	Anti -RT34, NT (MRPS34, 28S ribosomal protein S34, mitochondrial)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	RT34 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-32 amino acids from the N-terminal region of human RT34.
Product Categories/Family for anti-RT34 antibody	Antibodies; Abs to Mitochondrial Proteins
Applications Tested/Suitable for anti-RT34 antibody	ELISA (EL/EIA), Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-RT34 antibody	Suitable for use in Western Blot, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Flow Cytometry: 1:10-50
Related Product Information for anti-RT34 antibody	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. Alternate splice variants of this gene have been described but their full-length nature has not been determined.
Other Notes	Small volumes of anti-RT34 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RT34 purchase	MBS6009409 is an antibody targeting RT34. Also known as RT34, NT (MRPS34, 28S ribosomal protein S34, mitochondrial). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-RT34 antibody
RT34 Antibody (N-term) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the RT34 antibody detected the RT34 protein (arrow).



Flow Cytometry (FC/FACS) of anti-RT34 antibody
RT34 Antibody (N-term) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RT34. It may not necessarily be applicable to this product.

NCBI GI #	3550106
NCBI Accession #	AAC34610.1
NCBI Official Full Name	reverse transcriptase
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Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/rt34/6009409