

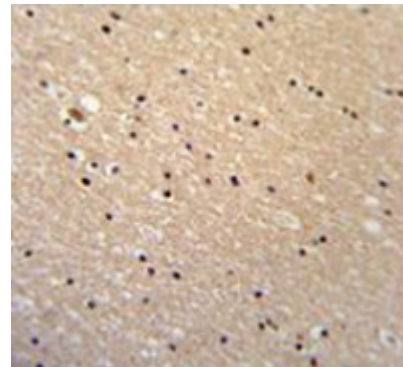
Polyclonal Antibody to MRPL55 (C-term) - Aff - Purified

Alternate names:	39S ribosomal protein L55, L55mt, MRP-L55, UNQ5835/PRO19675, mitochondrial
Catalog No.:	AP52749PU-N
Quantity:	0.1 mg
Concentration:	0.25 mg/ml
Background:	Mammalian mitochondrial ribosomal proteins 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. MRPL55 is a 39S subunit protein.
Uniprot ID:	Q7Z7F7
NCBI:	NP_852106
GeneID:	128308
Host / Isotype:	Rabbit / Ig
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 89-119aa) of human MRPL55.
Format:	State: Liquid purified Ig fraction Purification: Purified through a Protein A column followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) Sodium azide
Applications:	Flow cytometry: 1/10-1/50. Immunohistochemistry on Paraffin sections: 1/50-1/100. Western blot: 1/100-1/500. Enzyme immunoassay: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes MRPL55 at C-term.
Species Reactivity:	Tested: Human
Add. Information:	Molecular Weight: 15128 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

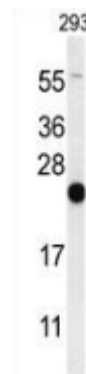
Shelf life: one year from despatch.

General Readings: Tsuritani, K. et al., Genome Res. 17(7): 1005-1014 (2007)
Clark, H.F. et al., Genome Res. 13(10): 2265-2270 (2003)
Zhang, Z. et al., Genomics 81(5): 468-480 (2003)

Pictures: Immunohistochemistry analysis in human brain tissue (Formalin-fixed, Paraffin-embedded) using MRPL55 antibody Cat.-No. AP52749PU-N (C-term), followed by peroxidase conjugated secondary antibody and DAB staining. This data demonstrates the use of this antibody for IHC. Clinical relevance has not been evaluated.



Western blot analysis of MRPL55 (arrow) in 293 cell line lysates (35ug/lane) using MRPL55 antibody Cat.-No. AP52749PU-N (C-term).



Flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram) using MRPL55 antibody Cat.-No. AP52749PU-N (C-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.

