

MRPL12 Rabbit Polyclonal Antibody

Catalog No: #55477

Package Size: #55477-1 50ul #55477-2 100ul

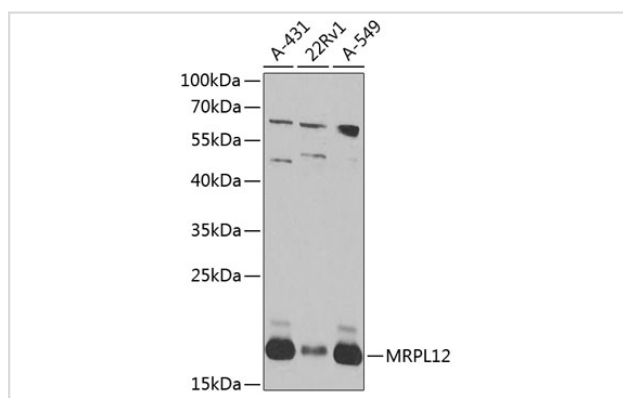
Description

Product Name	MRPL12 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human MRPL12 (NP_002940.2).
Conjugates	Unconjugated
Other Names	MRPL12;5c5-2;L12mt;MRP-L31/34;MRPL7;MRPL7/L12;RPML12
Accession No.	Uniprot:P52815GenelD:6182
Calculated MW	21kDa
SDS-PAGE MW	21kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using MRPL12 antibody.

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 39S subunit protein which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.