Product Datasheet

MRPS7 Rabbit Polyclonal Antibody

Catalog No: #54382

Package Size: #54382-1 50ul #54382-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

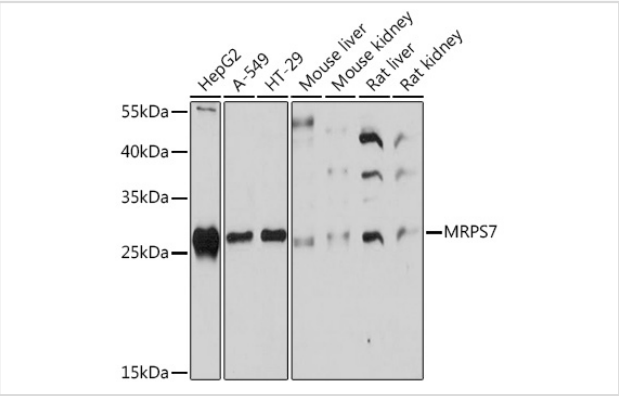
Description

Product Name	MRPS7 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human MRPS7 (NP_057055.2).
Other Names	MRPS7;MRP-S;MRP-S7;RP-S7;RPMS7;S7mt;bMRP27a
Accession No.	Swiss Prot:Q9Y2R9Gene ID:51081
Uniprot	Q9Y2R9
GeneID	51081
Calculated MW	28kDa
SDS-PAGE MW	28kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

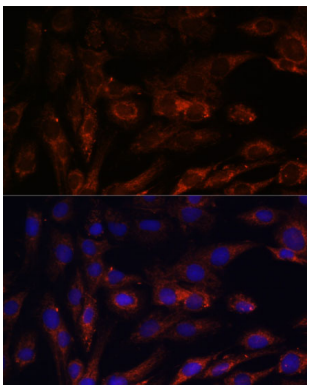
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

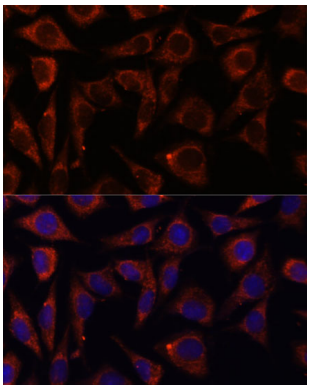
Images



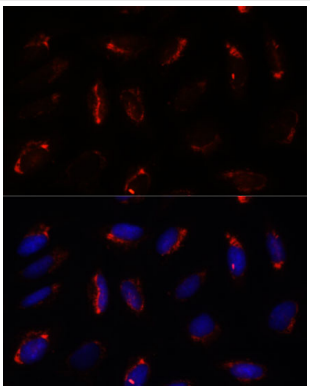
Western blot analysis of extracts of various cell lines, using MRPS7 Rabbit pAb.



Immunofluorescence analysis of C6 cells using MRPS7 antibody.



Immunofluorescence analysis of L929 cells using MRPS7 antibody.



Immunofluorescence analysis of U-2 OS cells using MRPS7 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 28S subunit protein. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p.

Note: This product is for in vitro research use only