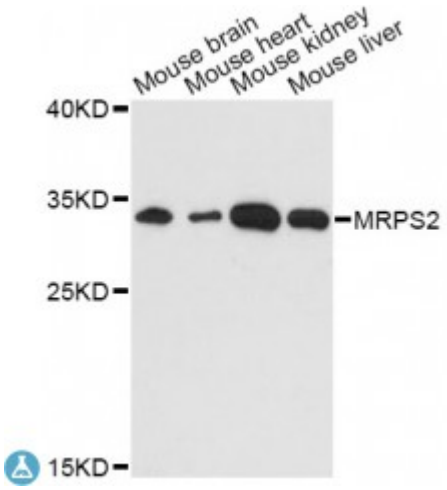
Anti-MRPS2 Antibody



Description	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 that belongs to the ribosomal protein S2 family. Alternatively spliced transcript variants have been observed for this gene.

Model	STJ116491
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-296 of human MRPS2 (NP_057118.1).
Gene ID	51116
Gene Symbol	MRPS2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	28S ribosomal protein S2 mitochondrial MRP-S2 S2mt Mitochondrial small ribosomal subunit protein uS2m
Molecular Weight	33.249 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:14495OMIM:611971Reactome:R-HSA-5368286
Alternative Names	28S ribosomal protein S2 mitochondrial MRP-S2 S2mt Mitochondrial small ribosomal subunit protein uS2m
Cellular Localization	Mitochondrion

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