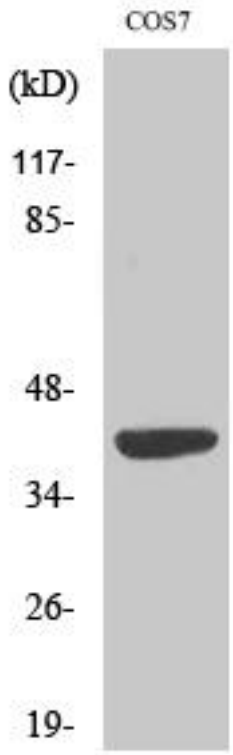
MRP-S22 Monoclonal Antibody

Catalog No	YP-mAb-04011
Isotype	IgG
Reactivity	Human;Monkey;Bovine;Hamster;Cow
Applications	WB
Gene Name	MRPS22
Protein Name	28S ribosomal protein S22 mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS22. AA range:231-280
Specificity	MRP-S22 Monoclonal Antibody detects endogenous levels of MRP-S22 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MRPS22; C3orf5; RPMS22; GK002; 28S ribosomal protein S22; mitochondrial; MRP-S22; S22mt
Observed Band	41kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Brain,Liver cancer,Muscle,Placenta,
Function	disease:Defects in MRPS22 are the cause of combined oxidative phosphorylation deficiency type 5 (COXPD5) [MIM:611719]. COXPD5 is an antenatal mitochondrial disease. Patients show edema, cardiomyopathy, tubulopathy, and hypotonia.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,
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 that

	does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MRP-S22 Monoclonal Antibody