

MRP-S30 rabbit pAb**Cat#: orb767441 (Manual)**

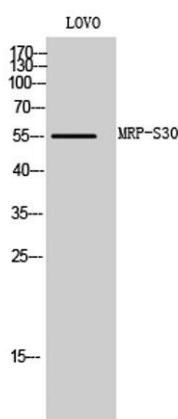
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Product Name	MRP-S30 rabbit pAb
Host species	Rabbit
Applications	WB;IHC
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS30. AA range:390-439
Specificity	MRP-S30 Polyclonal Antibody detects endogenous levels of MRP-S30 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	28S ribosomal protein S30 mitochondrial
Gene Name	MRPS30
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

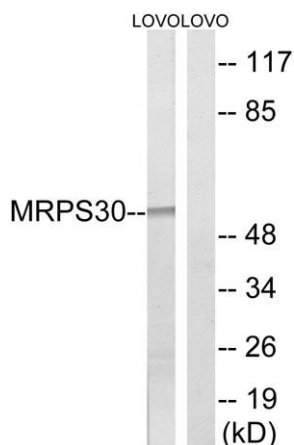
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	10884
Human Swiss-Prot Number	Q9NP92
Alternative Names	MRPS30; PDCD9; BM-047; 28S ribosomal protein S30; mitochondrial; MRP-S30; S30mt; Programmed cell death protein 9

Background

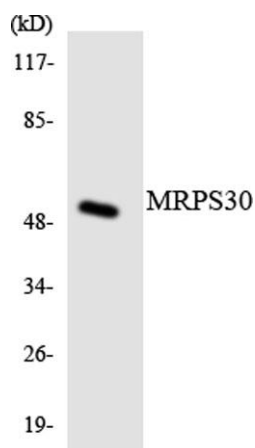
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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 is similar to the chicken pro-apoptotic protein p52. Transcript variants using alternative promoters or polyA sites have been mentioned in the literature but the complete description of these sequences is



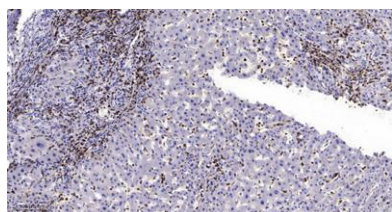
Western Blot analysis of LOVO cells using MRP-S30 Polyclonal Antibody



Western blot analysis of lysates from LOVO cells, using MRPS30 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using MRPS30 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).