MRPS36 Antibody

Catalog No: #34797

Package Size: #34797-1 50ul #34797-2 100ul

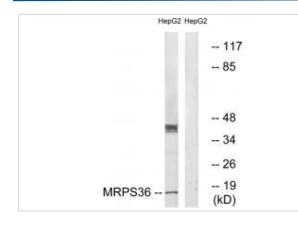


Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

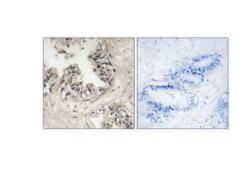
Host Species Rabbit Host Species Rabbit Clonality Polyclonal Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Applications WB IHC Specificity Hu Specificity The antibody detects endogenous levels of total MRPS36 protein. mmunogen Type Peptide mmunogen Type Peptide derived from internal of human MRPS36. Target Name MRPS36 Chronital 28S ribosomal protein S36; MRP-S36; RT36; S36mt Accession No. Swiss-Prot: P82909NCBI Gene ID: 92259 Jniprot P82909 Specificity 15kd Concentration 1.0mg/ml Formulation Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCI, 0.02% sodium azide ant 50% glycerol.	Description	
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	Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide
Storage Store at -20°C		and 50% glycerol.
	Storage	Store at -20°C

Application Details Western blotting: 1:500~1:3000 Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HepG2 cells, using MRPS36 antibody #34797.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using MRPS36 antibody #34797.

Background

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. The mitochondrial ribosome (mitoribosome) consists 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. Pseudogenes corresponding to this gene are found on chromosomes 3p, 4q, 8p, 11q, 12q, and 20p.

Xu X., Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Koc E.C., J. Biol. Chem. 276:19363-19374(2001).

Note: This product is for in vitro research use only