

MRPS36 Antibody

Catalog No: #34797

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

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Description

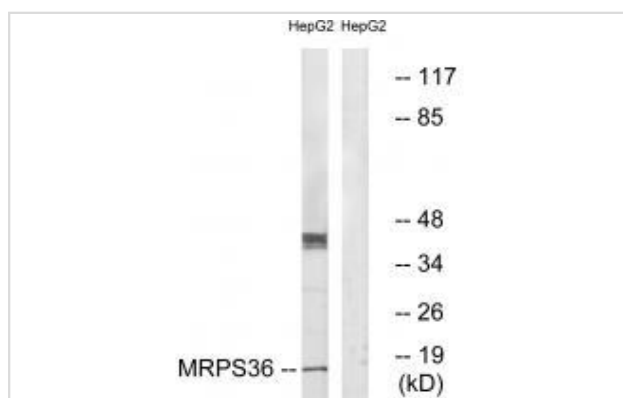
Product Name	MRPS36 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MRPS36 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MRPS36.
Target Name	MRPS36
Other Names	DC47; mitochondrial 28S ribosomal protein S36; MRP-S36; RT36; S36mt
Accession No.	Swiss-Prot: P82909NCBI Gene ID: 92259
Uniprot	P82909
GeneID	92259;
SDS-PAGE MW	15kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

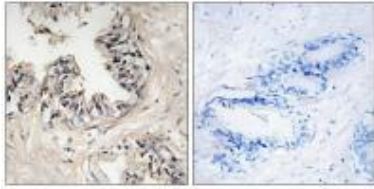
Immunohistochemistry: 1:50~1:100

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