Product Datasheet

MRPS32 Antibody

Catalog No: #34795

Package Size: #34795-1 50ul #34795-2 100ul

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

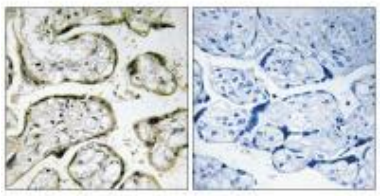
Description

Product Name	MRPS32 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MRPS32 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MRPS32.
Target Name	MRPS32
Other Names	Mitochondrial 28S ribosomal protein S32; mitochondrial; S32mt; MRP-S32;
Accession No.	Swiss-Prot: Q9Y6G3NCBI Gene ID: 28977
Uniprot	Q9Y6G3
GeneID	28977;
SDS-PAGE MW	17kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemistry analysis of paraffin-embedded human placenta tissue using MRPS32 antibody #34795.

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 protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q.

Mao Y.F., Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.

Wiemann S., Genome Res. 11:422-435(2001).

Note: This product is for in vitro research use only