

MRPL42 monoclonal antibody

Catalog: MB23523

Host: Mouse

Reactivity: Human

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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

16.6kDa

Swiss-Prot:

Q9Y6G3

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

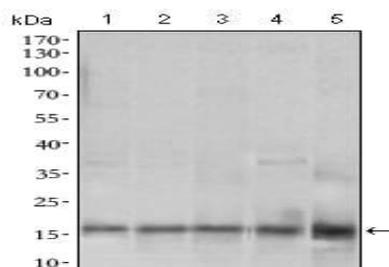
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

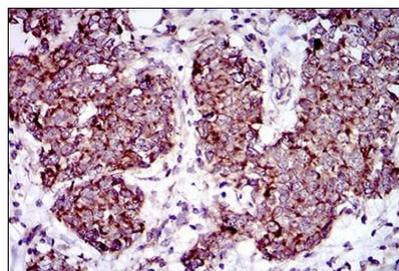
Isotype:

Mouse IgG1

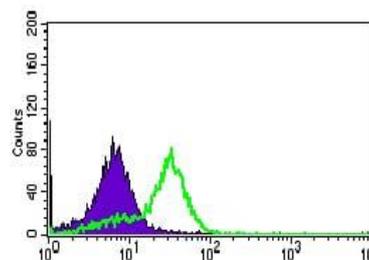
DATA:



Western blot analysis using MRPL42 mouse mAb against HL7702 (1), SMMC-7721 (2), HEK293 (3), HeLa (4) and Raji (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using MRPL42 mouse mAb with DAB staining.



Flow cytometric analysis of HepG2 cells using MRPL42 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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