

Product Information

Anti-MRPL28
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21943**
Formerly listed as GenWay Catalog Number 15-288-21943,
39S ribosomal protein L28, mitochondrial Antibody.

Storage Temperature Store at -20 °C

Synonyms: Mitochondrial ribosomal protein L28, L28mt;
MRP-L28; Melanoma antigen p15; Melanoma-associated
antigen recognized by T lymphocytes

Product Description

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 protein is a 39S subunit protein, a part of which was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion.

NCBI Accession number: NP_006419.2
Swiss Prot Accession number: Q13084

Gene Information: Human .. MRPL28 (10573)

Immunogen: Recombinant protein Mitochondrial ribosomal protein L28

Immunogen Sequence: GI # 26051229, sequence 129 - 256

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

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