# MRPL28 Antibody

**Subcategory:** Rabbit Polyclonal Antibody
**Cat. No.:** 251314
**Unit:** 0.1 mg

**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. MRPL28 was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion.

**Isotype:** Rabbit Ig
**Applications:** E, WB, IHC, IP
**Species Reactivity:** H, M, R
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
**Alternate Names:** MRPL28; MRP-L28; 39S ribosomal protein L28, mitochondrial; Mitochondrial ribosomal protein L28; L28mt; MRP-L28; Melanoma antigen p15; Melanoma-associated antigen recognized by T lymphocytes
**Accession No.:** Q13084

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MRPL28.
**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IP: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.