003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

# MRPL22 Polyclonal Antibody

**Cat #:** G-AB-06808

**Host:** Rabbit **Reactivity:** Human, Mouse, Rat

**Isotype:** IgG **Clonality:** Polyclonal

**Overview:**
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 39S subunit protein that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene.

**Gene ID:**

**Accession #:** BC012565

**Immunogen:** Fusion protein of human MRPL22

**Conjugation:** Unconjugated

**Swissprot:** Q9NWU5

**Calculated Molecular Weight:** 24 kDa

**Observed Molecular Weight:** Refer to figures

**Concentration:** 1.02 mg/mL

**Buffer:** PBS with 0.05% NaN3 and 40% Glycerol, pH7.4

**Purification Method:** Antigen affinity purification

**Application:** WB,IHC,ELISA

**Dilution:** WB 1:500-1:2000, IHC 1:50-1:200, ELISA 1:5000-1:10000

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.