

## MRPL48 polyclonal antibody

Catalog: BS61536

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Mitochondrial ribosomes consist of a large 39S subunit and a small 28S subunit, both of which are comprised of multiple mitochondrial ribosomal proteins (MRPs) that are encoded by nuclear genes and are essential for protein synthesis within mitochondria. MRP-L48 (mitochondrial ribosomal protein L48), also known as HSPC290, is a 212 amino acid protein that localizes to the mitochondrion, where it exists as a component of the 39S ribosomal subunit and works in conjunction with other MRPs to mediate protein synthesis. The gene encoding MRP-L48 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 23 kDa

### Swiss-Prot:

Q96GC5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 96% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

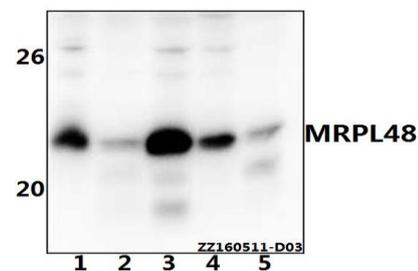
### Storage&Stability:

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

### Specificity:

MRPL48 polyclonal antibody detects endogenous levels of MRPL48 protein.

### DATA:



Western blot (WB) analysis of MRPL48 polyclonal antibody at 1:500 dilution

Lane1:THP-1 whole cell lysate(40ug)

Lane2:HeLa whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:AML-12 whole cell lysate(40ug)

### Note:

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

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