MRPL14 polyclonal antibody

Catalog: BCP01123 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Mammalian mitochondrial ribosomes (mitoribosomes) are responsible for protein synthesis within the mitochondrion. Mitoribosomes are composed of a 4:1 ratio of protein to RNA, with the proteins forming two subunits, the 28S subunit and the 39S subunit. Across species, the proteins that make up the mitoribosome subunits vary greatly in sequence, preventing easy recognition by sequence homology. MRP-L14 (mitochondrial ribosomal protein L14), also known as L14mt, MRPL32 or RMPL32, is a 145 amino acid protein that localizes to mitochondria, where it exists as a component of the 39S ribosomal subunit and works in conjunction with other MRPs to mediate protein synthesis. Belonging to the ribosomal protein L14P family, MRP-L14 is located on human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome.

Product:

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

Molecular Weight:

~ 15 kDa

Swiss-Prot:

Q6P1L8

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

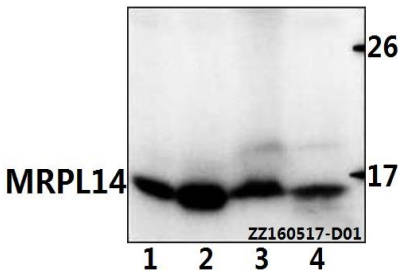
Storage&Stability:

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

Specificity:

MRPL14 polyclonal antibody detects endogenous levels of MRPL14 protein.

DATA:



Western blot (WB) analysis of MRPL14 polyclonal antibody at 1:500 dilution

Lane1:SK-OVCAR3 whole cell lysate(20ug)

Lane2:HEK293T whole cell lysate(20ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Note:

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

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