

MRPL10 polyclonal antibody

Catalog: BCP01120

Host: Rabbit

Reactivity: Human

BackGround:

Mitochondria have their own translation machinery for production of 13 proteins that are required for oxidative phosphorylation. MRP-L10 (39S ribosomal protein L10, mitochondrial), also known as MRPL8, is a 261 amino acid protein that is a component of the large ribosomal subunit of the mitochondria. MRP-L10 is one of the 70 protein components of mitochondrial ribosomes that are encoded by the nuclear genome. MRP-L10 is deacetylated in a NAD⁺-dependent manner by SIRT3, which is an event that contributes to the regulation of mitochondrial protein synthesis. The gene encoding MRP-L10 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1.

Product:

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

Molecular Weight:

~ 29 kDa

Swiss-Prot:

Q7Z7H8

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

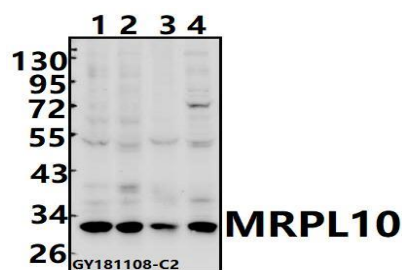
Storage&Stability:

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

Specificity:

MRPL10 polyclonal antibody detects endogenous levels of MRPL10 protein.

DATA:



Western blot (WB) analysis of MRPL10 pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:DLD whole cell lysate(40ug)

Lane3:U-87MG whole cell lysate(40ug)

Lane4:HuT78 whole cell lysate(40ug)

Note:

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