

## MRPL39 (E326) polyclonal antibody

Catalog: BS3329

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. MRphospho-L39 (mitochondrial ribosomal protein L39), also known as MRphospho-L5, L39mt or L5mt, is a 338 amino acid mitochondrial protein that exists as a component of the 39S ribosomal subunit and works in conjunction with other MRPs to mediate protein synthesis. MRphospho-L39 exists as two isoforms produced by alternative splicing. Isoform one of MRphospho-L39 is ubiquitously expressed while isoform two is specifically expressed in heart. The gene encoding MRphospho-L39 maps to chromosome 21, which makes up about 1.5% of the human genome. Chromosome 21 contains nearly 300 genes and 47 million base pairs. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. Alzheimer's disease, Jervell and Lange-Nielsen syndrome and amyotrophic lateral sclerosis are also associated with chromosome 21.

### Product:

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

### Molecular Weight:

~ 38 kDa

### Swiss-Prot:

Q9NYK5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~1:2000

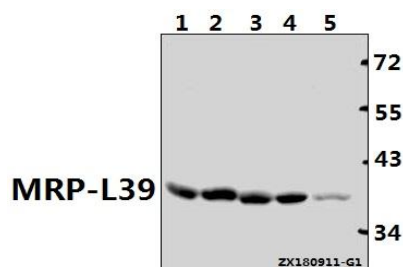
### Storage&Stability:

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

### Specificity:

MRphospho-L39 (E326) polyclonal antibody detects endogenous levels of MRphospho-L39 protein.

### DATA:



Western blot (WB) analysis of MRphospho-L39 (E326) polyclonal antibody at 1:1000 dilution

Lane1:PC12 whole cell lysate(40ug)

Lane2:CT26 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:Hela whole cell lysate(20ug)

Lane5:A375 whole cell lysate(40ug)

### Note:

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

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