# MRP-S27 (Y48) polyclonal antibody

Catalog: BCP01134 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

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 28S subunit protein that belongs to the ribosomal protein S21P family. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 9p, 10p, 10q, 16q, and 17q. Available sequence data analyses identified splice variants that differ in the 5' UTR; both transcripts encode the same protein

## Product:

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

## Molecular Weight:

~ 47 kDa

## Swiss-Prot:

Q92552

## 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: 1:500~1:1000

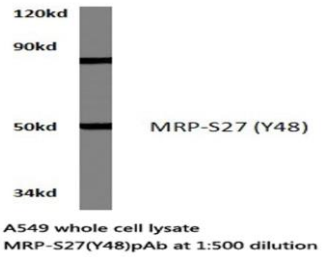
## Storage&Stability:

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

## Specificity:

MRP-S27 (Y48) polyclonal antibody detects endogenous levels of MRP-S27 protein.

## DATA:




Western blot (WB) analysis of MRP-S27 (Y48) pAb at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:BV2 whole cell lysate(20ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:HEK293T whole cell lysate(40ug)

## Note:

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

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