MRP-S25 (K168) polyclonal antibody

Catalog: BCP01133 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Mammalian mitochondrial ribosomes (mitoribosomes) are responsible for protein synthesis within the mitochondrion. The 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-S25 (mitochondrial 28S ribosomal protein S25), also known as S25mt, is a 173 amino acid mitochondrial ribosomal protein belonging to the ribosomal protein S25/L51 family. Localized to mitochondria, MRP-S25 is present in the 28S subunit of the mitoribosomes.

Product:

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

Molecular Weight:

~ 20 kDa

Swiss-Prot:

P82663

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

IP: 1:10-100

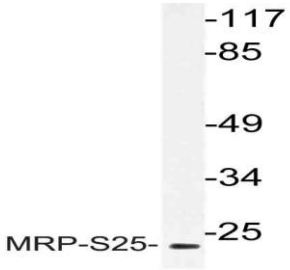
Storage&Stability:

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

Specificity:

MRP-S25 (K168) polyclonal antibody detects endogenous levels of MRP-S25 protein.

DATA:



Western blot (WB) analysis of MRP-S25 (K168) pAb at 1:1000 dilution

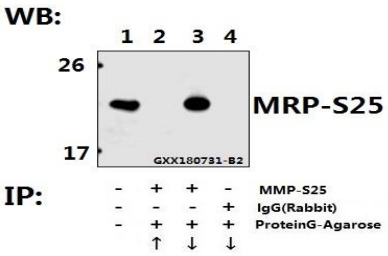
Lane1:CT26 whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:MCF-7 whole cell lysate(20ug)

Lane4:HEK293T whole cell lysate(20ug)

Lane5:HCT116 whole cell lysate(20ug)



Immunoprecipitation of HEK293T cell lysate using MRP-S25 (K168) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0048 (lane 4) .Lane 1 is 30% input. The western blot was probed using MRP-S25 (K168). “↑”（supernatant）; “↓(deposition）

Note:

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

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