MRPL11 polyclonal antibody

Catalog: BS67049 Host: Rabbit Reactivity: Human

BackGround:

A subset of mitochondrial proteins are synthesized on the ribosomes within mitochondria . The 55S mammalian mitochondrial ribosomes are composed of a 28S small subunit and a 39S large subunit. Over 40 protein components have been identified from the large subunit of the human mitochondrial ribosome . The mitochondrial ribosomal protein L11 (MRPL11) is one such component. In animals, plants and fungi, this protein is translated from a gene in the nuclear genome .

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 21 kDa

Swiss-Prot:

Q9Y3B7

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), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

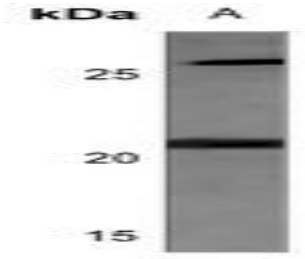
Storage&Stability:

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

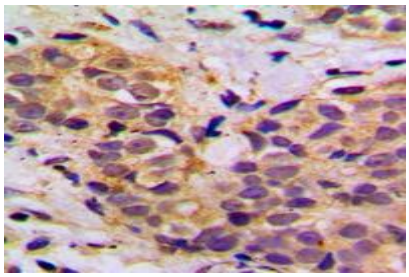
Specificity:

Recognizes endogenous levels of MRPL11 protein.

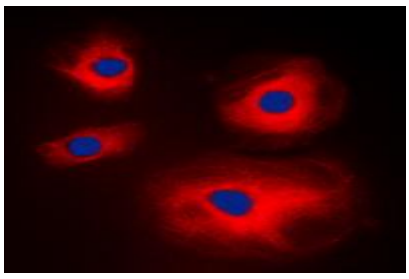
DATA:



Western blot analysis of MRPL11 expression in mouse spleen (A) whole cell lysates.



Immunohistochemical analysis of MRPL11 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MRPL11 staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a humidified chamber. Cells were washed with PBST and incubated with a DyLight

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594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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