10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MRPL18 Antibody

Rabbit polyclonal antibody to MRPL18
Catalog # AP60594

Product Information

Application	WB, IHC
Primary Accession	Q9H0U6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20577

Additional Information

Gene ID	29074
Other Names	39S ribosomal protein L18 mitochondrial; L18mt; MRP-L18
Target/Specificity	Recognizes endogenous levels of MRPL18 protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

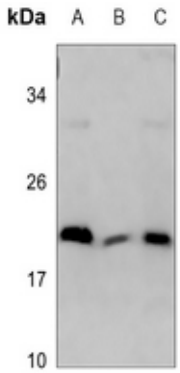
Protein Information

Name	MRPL18
Function	Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma domain of the 5S rRNA.
Cellular Location	Mitochondrion

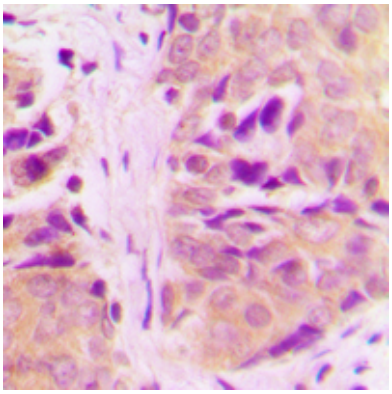
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MRPL18. The exact sequence is proprietary.

Images



Western blot analysis of MRPL18 expression in HEK293T (A), H1688 (B), H1792 (C) whole cell lysates.



Immunohistochemical analysis of MRPL18 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.