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Anti-MRPL54 Antibody

Catalog # AP60488

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q6P161
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15819

Additional Information

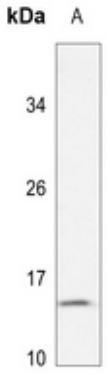
Gene ID	116541
Other Names	39S ribosomal protein L54 mitochondrial; L54mt; MRP-L54
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MRPL54. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

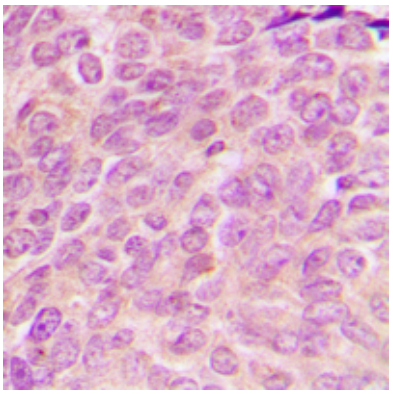
Protein Information

Name	MRPL54
Cellular Location	Mitochondrion

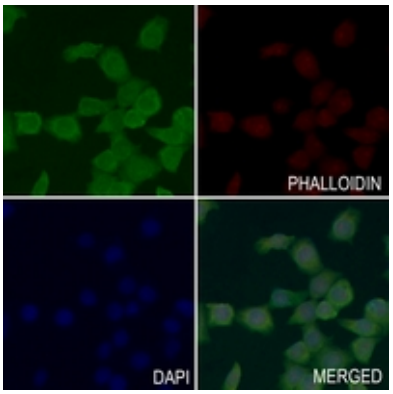
Images

Western blot analysis of MRPL54 expression in Jurkat (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 15 kD)

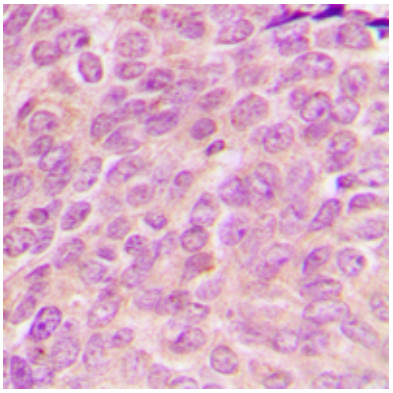




Immunohistochemical analysis of MRPL54 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected 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 MRPL54 staining in LO2 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 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.