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Anti-MRPL32 Antibody

Catalog # AP51365

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9BYC8
Reactivity	Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21405

Additional Information

Gene ID	64983
Other Names	39S ribosomal protein L32 mitochondrial; L32mt; MRP-L32
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MRPL32. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 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

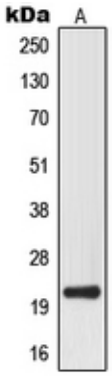
Protein Information

Name	MRPL32
Function	Component of the mitochondrial large ribosomal subunit (mt- LSU) (PubMed:25278503, PubMed:25838379, PubMed:28892042). The mitochondrial ribosome (mitoribosome) is a large ribonucleoprotein complex responsible for the synthesis of proteins inside mitochondria (PubMed:25278503, PubMed:25838379, PubMed:28892042).
Cellular Location	Mitochondrion

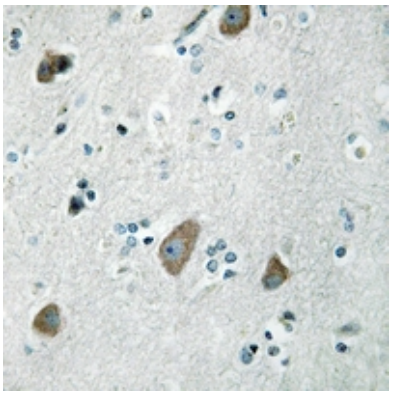
References

Suzuki T.,et al.J. Biol. Chem. 276:21724-21736(2001).
Ye M.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.
Kenmochi N.,et al.Genomics 77:65-70(2001).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

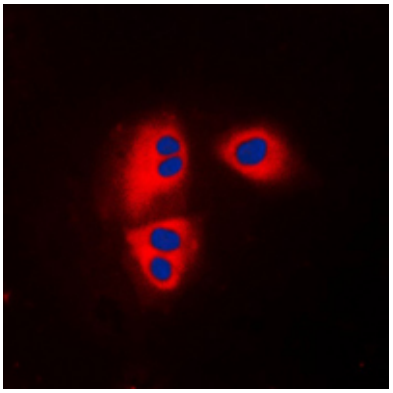
Images



Western blot analysis of MRPL32 expression in HepG2 (A) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 21 kD)



Immunohistochemical analysis of MRPL32 staining in human brain 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 MRPL32 staining in HepG2 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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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