

Anti-MRRF Antibody

Catalog # AP53308

Product Information

Application	WB, IHC
Primary Accession	Q96E11
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29277

Additional Information

Gene ID	92399
Other Names	Ribosome-recycling factor mitochondrial; RRF; Ribosome-releasing factor mitochondrial
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MRRF. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
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

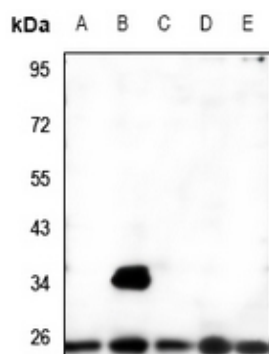
Protein Information

Name	MRRF (HGNC:7234)
Function	Responsible for the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis (PubMed: 19716793 , PubMed: 33878294). Acts in collaboration with GFM2 (PubMed: 33878294). Promotes mitochondrial ribosome recycling by dissolution of intersubunit contacts (PubMed: 33878294).
Cellular Location	Mitochondrion.

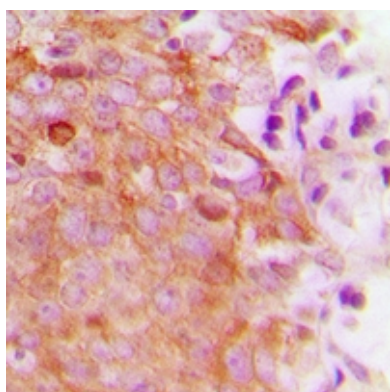
References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of MRRF expression in COS7 (A), A549 (B), MCF7 (C), CT26 (D), PC12 (E) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 26 kD)



Immunohistochemical analysis of MRRF 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.

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