

MRRF Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50633**Specification**

MRRF Antibody - Product Information

Application	WB
Primary Accession	O96E11
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29,22,24,20,18,19,14 KDa
Antigen Region	191-220

MRRF Antibody - Additional Information**Gene ID** 92399**Other Names**

Ribosome-recycling factor, mitochondrial, RRF, Ribosome-releasing factor, mitochondrial, MRRF

Dilution

WB~~1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

MRRF Antibody - 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

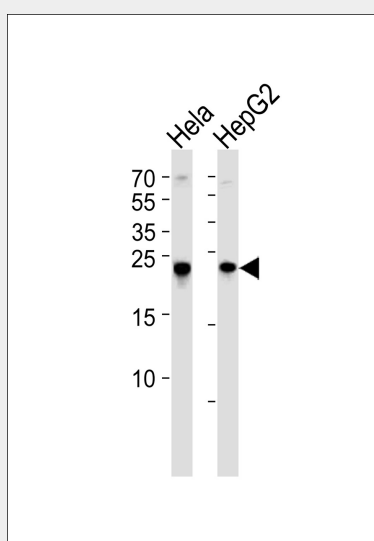
Mitochondrion.

MRRF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MRRF Antibody - Images



Western blot analysis of lysates from HeLa, HepG2 cell line (from left to right), using MRRF Antibody (AP50633). AP50633 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

MRRF Antibody - Background

Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another (By similarity).

MRRF Antibody - 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.
Zhang Y., et al. Biochim. Biophys. Acta 1443:245-250 (1998).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17 (2011).