

MRRF Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53308**Specification**

MRRF Antibody - Product Information

Application	WB
Primary Accession	O96E11
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29 KDa
Antigen Region	196-235aa

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

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

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

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

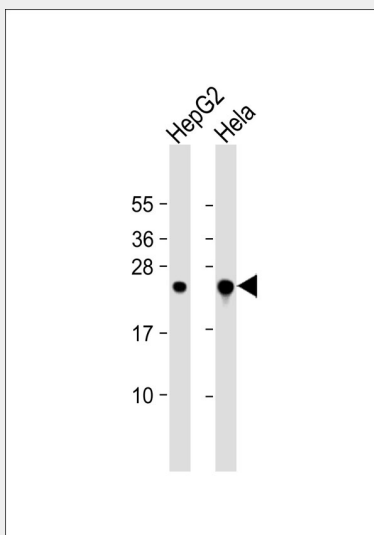
MRRF Antibody - Protein Information**Name** MRRF ([HGNC:7234](#))**Function**

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

All lanes : Anti-MRRF Antibody at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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).