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MRRF Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53308

Product Information

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

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

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.

Background

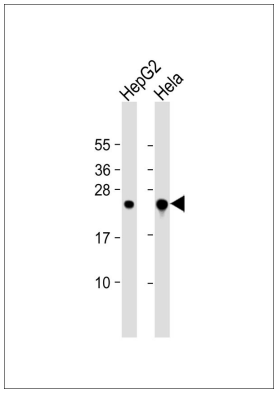
Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another

(By similarity).

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).

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.