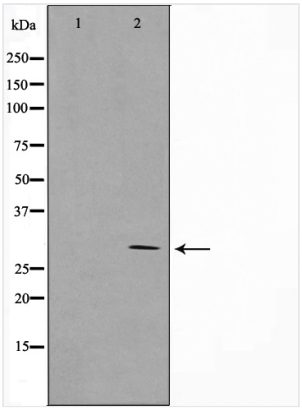
MRRF Antibody – Rabbit Polyclonal

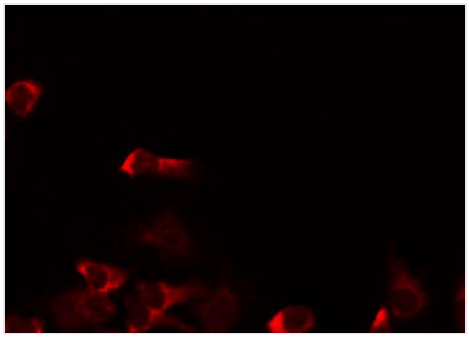
PRODUCT OVERVIEW

Product Name	MRRF, Polyclonal Antibody
Full Product Name	MRRF Antibody
Product Gene Name	anti-MRRF antibody
Product Synonym Names	2400002D02Rik; MGC93722; mitochondrial; mitochondrial ribosome recycling factor; MRFF; Mrrf; MTRRF; OTTHUMP00000022037; OTTMUSP00000013027; Ribosome recycling factor, mitochondrial; Ribosome recycling factor, mitochondrial precursor; Ribosome-recycling factor; Ribosome-releasing factor; Ribosome-releasing factor, mitochondrial; RP23-324A16.1; RRF; RRFM_HUMAN
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	MRRF antibody detects endogenous levels of MRRF
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	MRRF peptide (MBS9615111) is used for blocking the activity of MRRF antibody (MBS9600558)
Molecular Weight	Observed: 28 kDa Predicted: 30 kDa
3D Structure	ModBase 3D Structure for Q96E11
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human MRRF
Subcellular Location	Mitochondrion
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Chicken**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (92%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MRRF antibody	Western Blot (WB), Immunohistochemisty (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-MRRF antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500

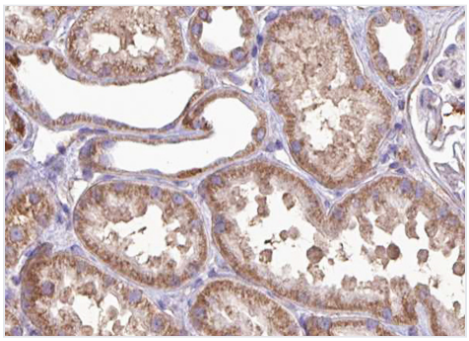
Related Product Information for anti-MRRF antibody	Description: MRRF Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another. Belongs to the RRF family. 7 isoforms of the human protein are produced by alternative splicing. Function: 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). Similarity: Belongs to the RRF family.
Other Notes	Small volumes of anti-MRRF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MRRF purchase	MBS9600558 is an antibody targeting MRRF. Also known as MRRF Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-MRRF antibody
Western blot analysis on HeLa cell lysate using MRRF Antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescene (IF) of anti-MRRF antibody
MBS9600558 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Immunohistochemistry (IHC) of anti-MRRF antibody
MBS9600558 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRRF. It may not necessarily be applicable to this product.

NCBI GI #	291042689
NCBI GeneID	92399
NCBI Accession #	NP_001166983.1
UniProt Primary Accession #	Q96E11
UniProt Secondary Accession #	Q5RKT1; Q5T7T0; Q5T7T1; Q5T7T2; Q5T7T3; Q5T7T4; Q5T7T5; A8K6D8; A8K6Z4; B7Z4X5; B7Z6P7
UniProt Related Accession #	Q96E11

GenBank Nucleotide #	NM_001173512.2
NCBI Official Full Name	ribosome-recycling factor, mitochondrial isoform 3
NCBI Official Synonym Full Names	mitochondrial ribosome recycling factor
NCBI Official Symbol	MRRF
NCBI Official Synonym Symbols	RRF; MRFF; MTRRF
UniProt Protein Name	Ribosome-recycling factor, mitochondrial
UniProt Synonym Protein Names	Ribosome-releasing factor, mitochondrial
UniProt Gene Name	MRRF
UniProt Synonym Gene Names	RRF
NCBI Protein Information	ribosome-recycling factor, mitochondrial
NCBI Summary for MRRF	This gene encodes a ribosome recycling factor, which is a component of the mitochondrial translational machinery. The encoded protein, along with mitochondrial elongation factor 2, functions in ribosomal recycling at the termination of mitochondrial translation by mediating the disassembly of ribosomes from messenger RNA. A pseudogene of this gene has been identified on chromosome X. [provided by RefSeq, Oct 2016]
UniProt Comments for MRRF	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 ().
Research Articles on MRRF	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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