

Product datasheet for **TA502031**

MRPS2 Mouse Monoclonal Antibody [Clone ID: OTI4D6]

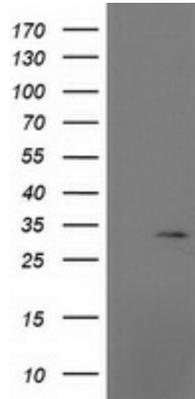
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4D6
Applications:	FC, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MRPS2 (NP_057118) produced in E.coli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.2 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	33.1 kDa
Gene Name:	mitochondrial ribosomal protein S2
Database Link:	NP_057118 Entrez Gene 51116 Human
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S2 family. [provided by RefSeq]. COMPLETENESS: complete on the 3' end.
Synonyms:	CGI-91; MRP-S2; S2mt

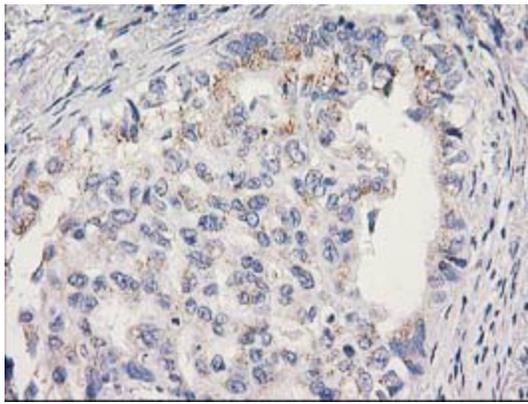


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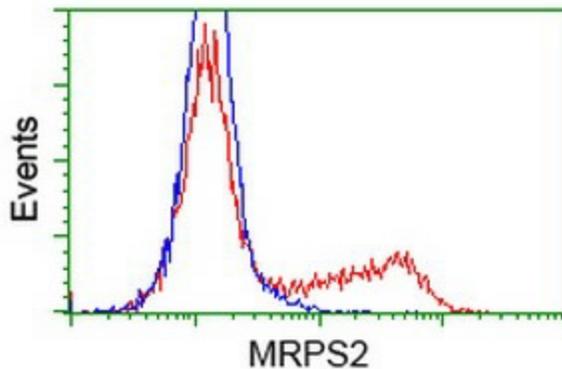
Product images:



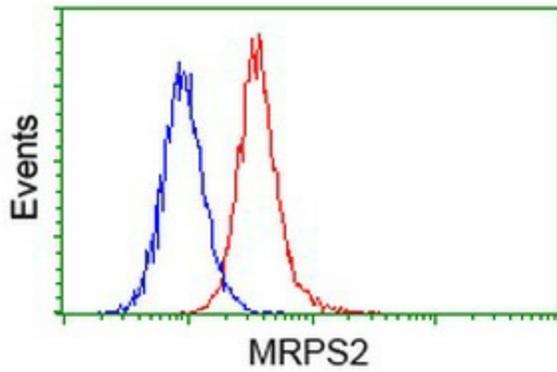
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MRPS2 [RC203579], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MRPS2. Positive lysates [LY414231] (100ug) and [LC414231] (20ug) can be purchased separately from OriGene.



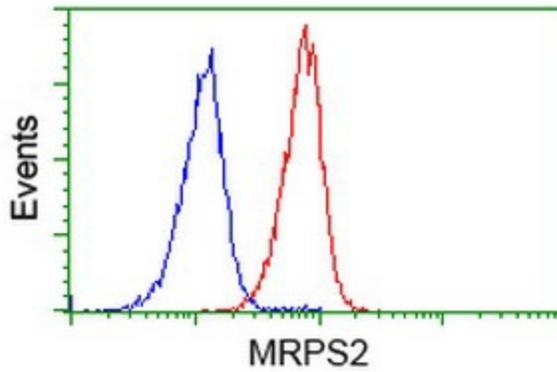
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MRPS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502031)



HEK293T cells transfected with either [RC203579] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MRPS2 antibody (TA502031), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-MRPS2 antibody (TA502031), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-MRPS2 antibody (TA502031), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).