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Product datasheet for CF505218

MRPS34 Mouse Monoclonal Antibody [Clone ID: OTI1H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H2
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MRPS34(NP_076425) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25.5 kDa
Gene Name:	Homo sapiens mitochondrial ribosomal protein S34 (MRPS34), transcript variant 2, mRNA; nuclear gene for mitochondrial product.
Database Link:	NP_076425 Entrez Gene 79044 MouseEntrez Gene 65993 Human P82930

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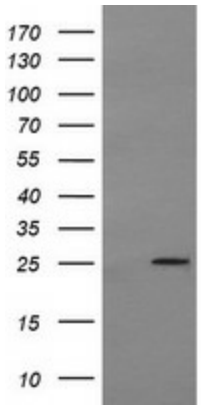
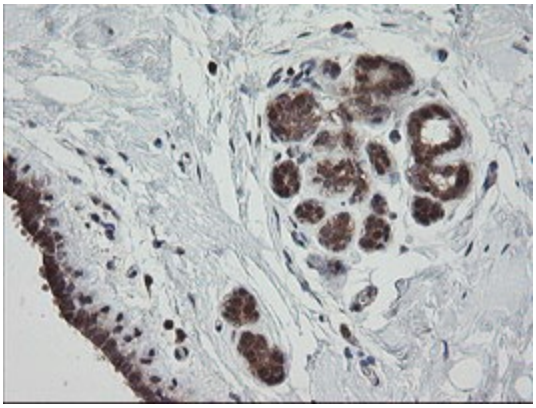
Background: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to 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. Alternate splice variants of this gene have been described but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]

Synonyms: MRP-S12; MRP-S34; MRPS12

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MRPS34 ([RC200834], 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-MRPS34. Positive lysates [LY411441] (100ug) and [LC411441] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])

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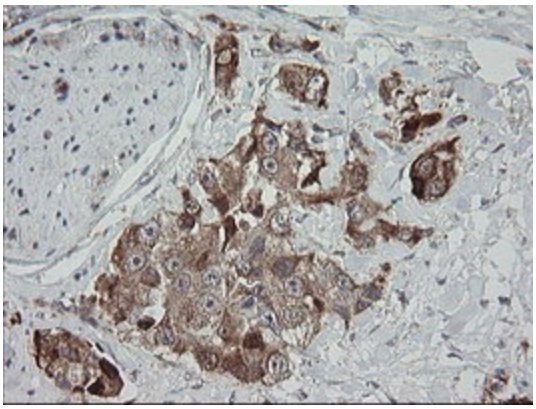
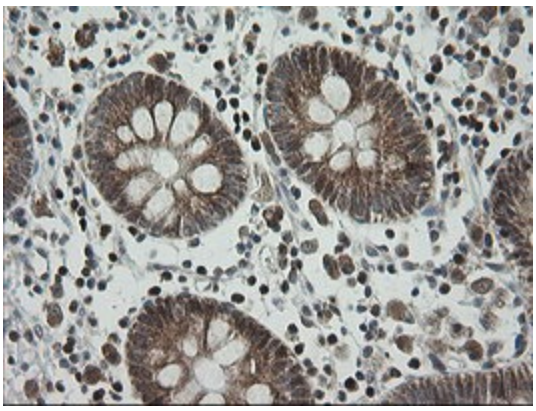
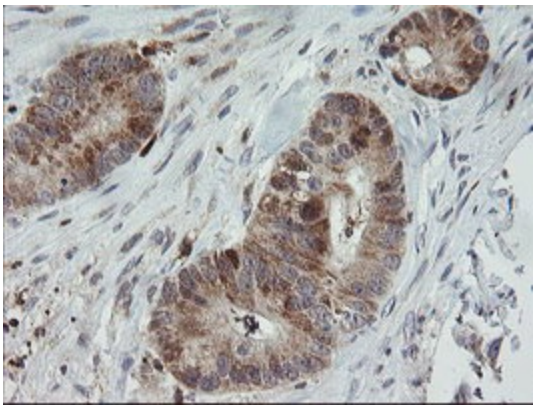


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])

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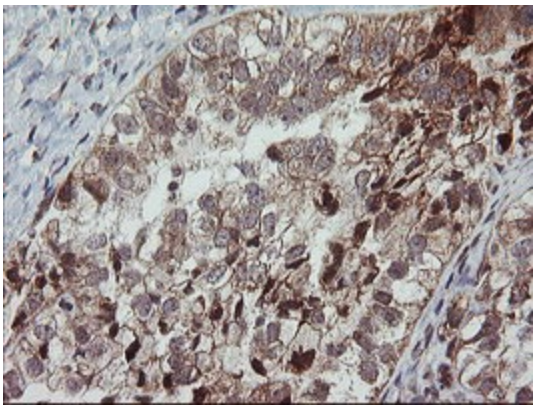
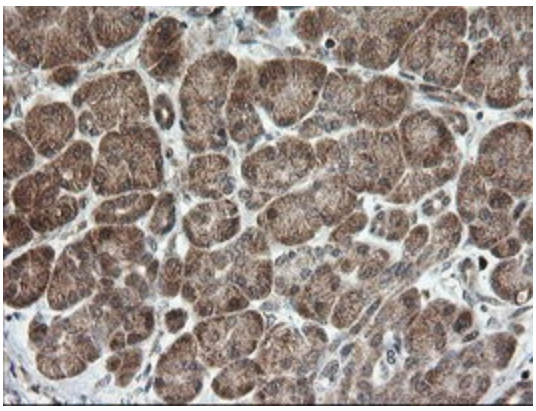
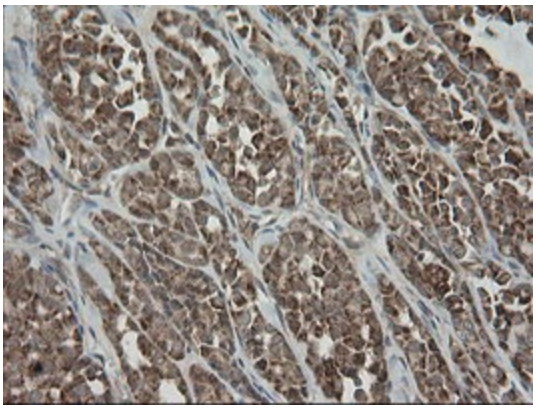


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])

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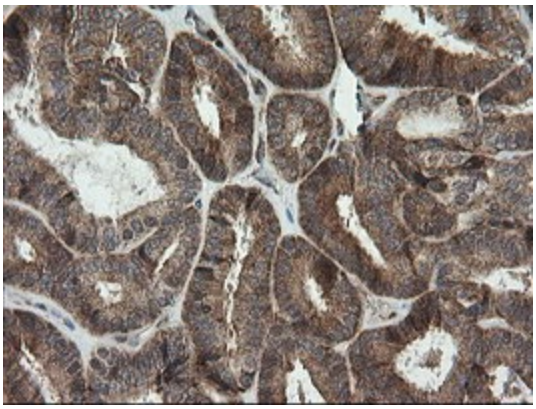
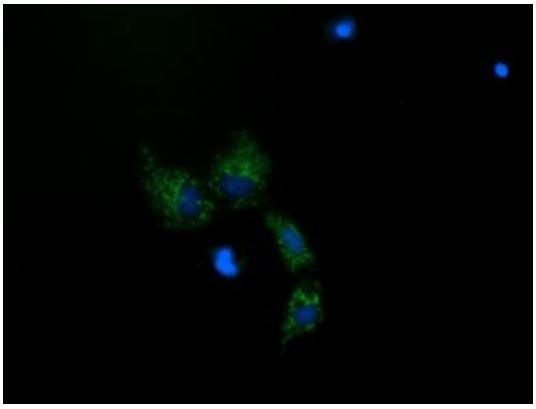


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-MRPS34 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505218])



Anti-MRPS34 mouse monoclonal antibody ([TA505218]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MRPS34 ([RC200834]).

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