

**MRP-L34 rabbit pAb****Cat#: orb770084 (Manual)**

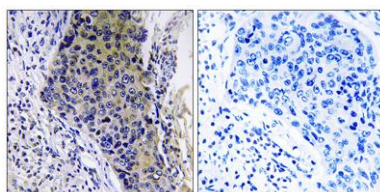
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<b>Product Name</b>	MRP-L34 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MRPL34. AA range:21-70
<b>Specificity</b>	MRP-L34 Polyclonal Antibody detects endogenous levels of MRP-L34 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	39S ribosomal protein L34 mitochondrial
<b>Gene Name</b>	MRPL34
<b>Cellular localization</b>	Mitochondrion .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	64981
<b>Human Swiss-Prot Number</b>	Q9BQ48
<b>Alternative Names</b>	MRPL34; 39S ribosomal protein L34; mitochondrial; L34mt; MRP-L34

## 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 39S subunit protein. [provided by RefSeq, Jul 2008],



**Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MRPL34 Antibody. The picture on the right is blocked with the synthesized peptide.**