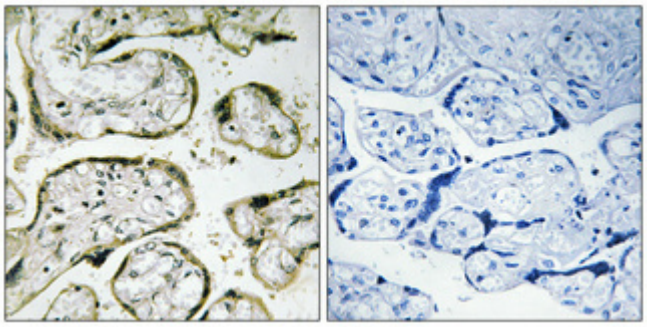
MRP-S32 Polyclonal Antibody

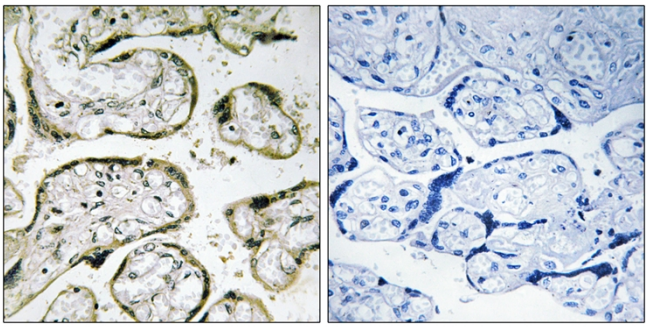
Catalog No	BYab-04016
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	MRPL42
Protein Name	39S ribosomal protein L42 mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS42. AA range:75-124
Specificity	MRP-S32 Polyclonal Antibody detects endogenous levels of MRP-S32 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MRPL42; MRPL31; MRPS32; RPML31; HSPC204; PTD007; 39S ribosomal protein L42; mitochondrial; L42mt; MRP-L42; 28S ribosomal protein S32, mitochondrial; MRP-S32; S32mt; 39S ribosomal protein L31, mitochondrial; L31mt; MRP-L31
Observed Band	
Cell Pathway	Mitochondrion .
Tissue Specificity	Brain,Liver,Pituitary tumor,Placenta,Umbilical cord blood,
Function	caution:Has been found in mitochondrial the ribosome large and small subunit. Was erronously (PubMed:11551941) assigned to be MRP-S31.,subunit:Component of the mitochondrial ribosome large subunit (39S) which comprises a 16S rRNA and about 50 distinct proteins. Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,

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 protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q. [provid
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human placenta, using MRPS32 Antibody. The picture on the right is blocked with the synthesized peptide.