

## MRP-S17 Polyclonal Antibody

<b>Catalog No :</b>	YT2876
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	MRP-S17
<b>Fields :</b>	>>Ribosome
<b>Gene Name :</b>	MRPS17
<b>Protein Name :</b>	28S ribosomal protein S17 mitochondrial
<b>Human Gene Id :</b>	51373
<b>Human Swiss Prot No :</b>	Q9Y2R5
<b>Mouse Gene Id :</b>	66258
<b>Mouse Swiss Prot No :</b>	Q9CQE3
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MRPS17. AA range:11-60
<b>Specificity :</b>	MRP-S17 Polyclonal Antibody detects endogenous levels of MRP-S17 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 22kD

**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 S17P family. The encoded protein is moderately conserved between human mitochondrial and prokaryotic ribosomal proteins. Pseudogenes corresponding to this gene are found

**Function :** similarity:Belongs to the ribosomal protein S17P family.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,

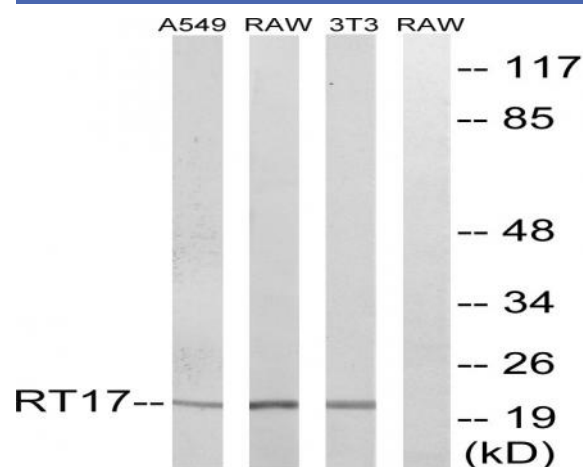
**Subcellular Location :** Mitochondrion .

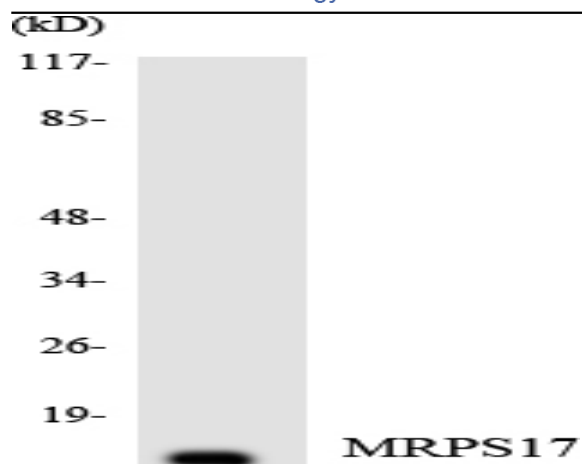
**Expression :** Brain,Epithelium,Kidney,Umbilical cord blood,Uterus,

**Sort :** 10256

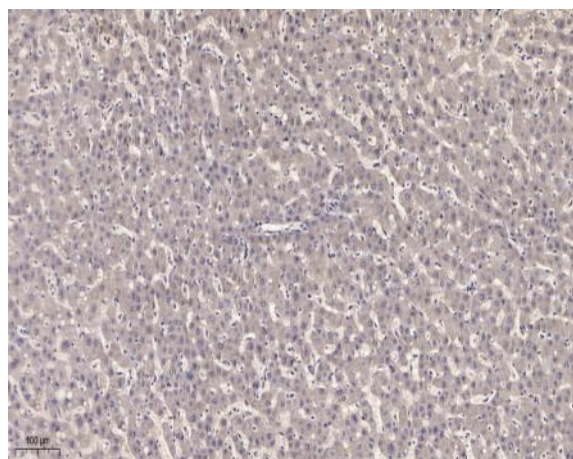
**No4 :** 1

## Products Images





Western blot analysis of the lysates from HeLa cells using MRPS17 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).