

# Immunotag™ MRP-S17 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2876
Product Description	Immunotag™ MRP-S17 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MRPS17
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS17. AA range:11-60
Specificity	MRP-S17 Polyclonal Antibody detects endogenous levels of MRP-S17 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	MRPS17
Accession No.	Q9Y2R5 Q9CQE3
Alternate Names	MRPS17; RPMS17; HSPC011; 28S ribosomal protein S17; mitochondrial; MRP-S17; S17mt

## Antibody Specification

Description	mitochondrial ribosomal protein S17(MRPS17) Homo sapiens 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
Protein Expression	Brain,Epithelium,Kidney,Umbilical cord blood,Uterus,
Subcellular Localization	mitochondrial inner membrane,mitochondrial small ribosomal subunit,ribosome,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.