

# Immunotag™ RT11 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN0100
Product Description	Immunotag™ RT11 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	RT11
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 10-90
Specificity	RT11 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	MRPS11 RPMS11 HCC2
Accession No.	P82912 Q9DCA2

## Antibody Specification

Description	mitochondrial ribosomal protein S11(MRPS11) 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 contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Multiple transcript variants encoding different
Protein Expression	Cervix,Human lung,Kidney,Muscle,
Subcellular Localization	mitochondrion,mitochondrial inner membrane,mitochondrial small ribosomal subunit,ribosome,
Protein Function	Experimental confirmation may be lacking for some isoforms,similarity:Belongs to the ribosomal protein S11P 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.