

Immunotag™ MRP-S27 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2884
Product Description	Immunotag™ MRP-S27 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	MRPS27
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS27. AA range:16-65
Specificity	MRP-S27 Polyclonal Antibody detects endogenous levels of MRP-S27 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	MRPS27
Accession No.	Q92552 Q8BK72
Alternate Names	MRPS27; KIAA0264; 28S ribosomal protein S27; mitochondrial; MRP-S27; S27mt

Antibody Specification

Description	mitochondrial ribosomal protein S27(MRPS27) 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 may be a functional partner of the death associated protein 3 (DAP3). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2013],
Protein Expression	Bone marrow,Colon,Lung,Skin,Uterus,
Subcellular Localization	mitochondrion,mitochondrial inner membrane,ribosome,
Protein Function	similarity:Contains 2 PPR (pentatricopeptide) repeats.,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.