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Immunotag™ Ribosomal Protein S27 Monoclonal Antibody

Antibody Specification

Catalog No.	ITM0558
Product Description	Immunotag™ Ribosomal Protein S27 Monoclonal 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	rRNA Protein S27
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of Ribosomal Protein S27 expressed in E. Coli.
Specificity	Ribosomal Protein S27 Monoclonal Antibody detects endogenous levels of Ribosomal Protein S27 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	RPS27
Accession No.	P42677 Q6ZWU9
Alternate Names	RPS27; MPS1; 40S ribosomal protein S27; Metallopan-stimulin 1; MPS-1

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Description	ribosomal protein S27(RPS27) Homo sapiens Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S27E family of ribosomal proteins. It contains a C4-type zinc finger domain that can bind to zinc. The encoded protein has been shown to be able to bind to nucleic acid. It is located in the cytoplasm as a ribosomal component, but it has also been detected in the nucleus. Studies in rat indicate that ribosomal protein S27 is located near ribosomal protein S18 in the 40S subunit and is covalently linked to translation initiation factor eIF3. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [pr
Cell Pathway/ Category	Ribosome,
Protein Expression	Epithelium,Heart,Mammary carcinoma,Tongue,Uterus,
Subcellular Localization	nucleus,nucleoplasm,cytosol,ribosome,cytosolic small ribosomal subunit,
Protein Function	caution:Was originally (PubMed:8407955) thought to be a protein that could have played a role as a potentially important mediator of cellular proliferative responses to various growth factors and other environmental signals. Capable of specific binding to a cAMP response element in DNA.,cofactor:Binds 1 zinc ion per subunit .,cofactor:Binds 1 zinc ion per subunit.,similarity:Belongs to the ribosomal protein S27e family.,tissue specificity:Expressed in a wide variety of actively proliferating cells and tumor tissues.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.