

Ribosomal Protein S27 Monoclonal Antibody

Catalog No :	YM0559
Reactivity :	Human
Applications :	IF;ELISA
Target :	Ribosomal Protein S27
Fields :	>>Ribosome;>>Coronavirus disease - COVID-19
Gene Name :	RPS27
Protein Name :	40S ribosomal protein S27
Human Gene Id :	6232
Human Swiss Prot No :	P42677
Mouse Swiss Prot No :	Q6ZWU9
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.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Cell Pathway :	Ribosome;

P References :

1. Biochem Cell Biol. 1995 Nov-Dec;73(11-12):933-47.
2. Mol Biol Cell. 2003 Apr;14(4):1638-51.
3. Cell. 2008 Jan 25;132(2):233-46.

Background :

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

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.,

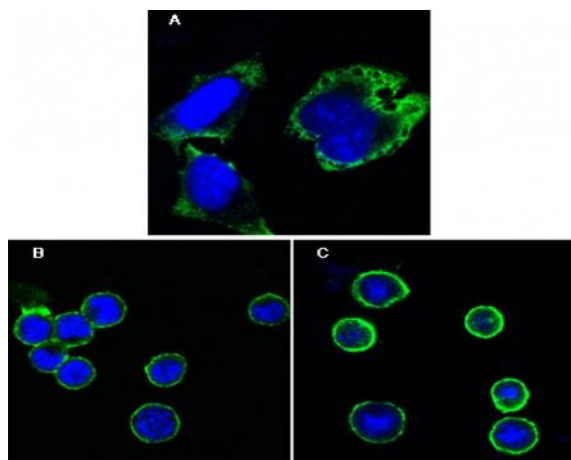
Subcellular Location :

nucleus,nucleoplasm,cytosol,ribosome,cytosolic small ribosomal subunit,

Expression :

Expressed in a wide variety of actively proliferating cells and tumor tissues.

Products Images



Confocal immunofluorescence analysis of Hela cells (A), BCBL-1 cells (B) and L1210 cells (C) using Ribosomal Protein S27 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.