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RPS3 Mouse Monoclonal Antibody

Catalog #: EAB21327

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Mouse IgG2a	Monoclonal	WB, IP, IHC-P, IF/ICC, FC	27	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:10000-50000
IP(Immunoprecipitation)	1:200-1000
IHC-P(Immunohistochemistry-Paraffin)	1:100-500
IF/ICC(Immunofluorescence/Immunocytochemistry)	1:50-300
FC(Flow Cytometry)	1:50-200

Product Information

Conjugate	Unconjugate
Specificity	RPS3 Mouse Monoclonal Antibody detects endogenous levels of RPS3 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	P23396
Entrez-Gene Id	6188

Product Descriotion

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, where it forms part of the domain where translation is initiated. The protein belongs to the S3P family of ribosomal proteins. Studies of the mouse and rat proteins have demonstrated that the protein has an extraribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. The protein appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. This gene is co-transcribed with the small nucleolar RNA genes U15A and U15B, which are located in its first and fifth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.