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30-2497: Anti-RPSA Antibody (Clone : RP-01)

Clonality :	Monoclonal
Clone Name :	RP-01
Application :	IP,ELISA,IHC,FACS
Reactivity :	Mouse,Human,chicken
Gene :	RPSA
Gene ID :	3921
Format :	Purified
Alternative Name :	Ribosomal protein SA, CCLBP, MRAP, LR1, LRP/LR,ribosomal protein SA
Isotype :	Mouse IgG2a
Immunogen Information :	REPRLLVVTDPRADHQP

Description

Ribosomal protein SA (RPSA) is a multi-functional protein, that is an important component of 40S ribosomal subunit, and binds to lamin. Higher expression of RPSA is characteristic for many carcinomas, and correlates with their invasivity and metastatic potential. It has also been described, that RPSA interacts with amyloid beta peptide during Alzheimer´s disease. Specificity : The mouse monoclonal antibody RP-01 recognizes ribosomal protein SA (RPSA), which is important for formation and stability of 40S ribosomal subunit, and is overexpressed in many carcinomas.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 8-12 µg/ml. Intracellular staining.

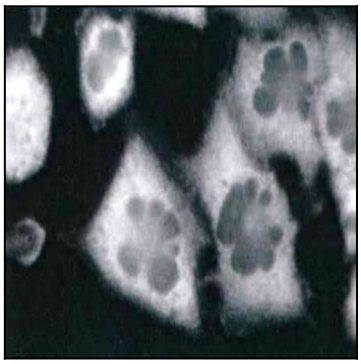

Figure 1: Immunocytochemistry staining of RPSA in human glioblastoma cells T98G using mouse monoclonal antibody RP-01. The cells were fixed with paraformaldehyde and permeabilized using Triton X-100.

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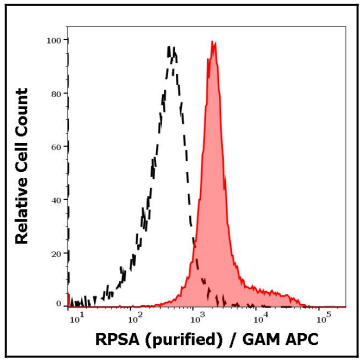

Figure 2: Separation of MOLT-4 cells stained using anti-RPSA (RP-01) purified antibody (red-filled) from MOLT-4 unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).

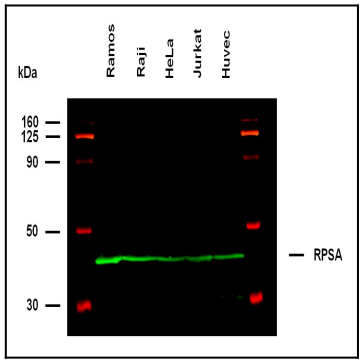

Figure 3: Anti-RPSA Purified (clone RP-01) works in WB application under reducing conditions. Western blotting analysis was performed on urea buffer extracts of Ramos, Raji, HeLa, Jurkat, and Huvec cells mixed with hot reducing SDS-loading buffer. Samples were resolved using 10% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG2a monoclonal antibody RP-01 (2 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). Multiplex fluorescent Western blot detection was performed. RPSA was detected at ~37 kDa in all tested cell lines.