Recombinant Ribonucleotide Reductase M1 / RRM1 Antibody

Mouse Monoclonal Antibody [Clone rRRM1/9409]

Catalog No	Format	Size
6240-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6240-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6240-MSM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

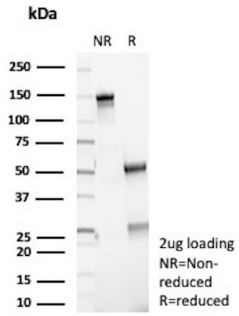
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

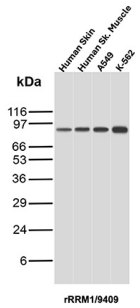
Clone	rRRM1/9409
Immunogen	Recombinant fragment (around aa700-800) of the human RRM1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	90.07kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human breast, lung or colon carcinoma tissue. Human Skeletal muscle, Human Skin, A549 or K-562

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Ribonucleotide Reductase M1 / RRM1 Antibody



SDS-PAGE Analysis of Purified RRM1 Recombinant Mouse Recombinant Monoclonal Antibody (rRRM1/9409). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Skin, Human Skeletal muscle, A549 and K-562 lysates using Ribonucleotide Reductase M1 Recombinant Mouse Monoclonal Antibody (rRRM1/9409).

Specificity & Comments

Ribonucleotide reductase M1 polypeptide (RRM1) is one of two non-identical subunits for ribonucleoside-diphosphate reductase, an enzyme which catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. It provides the precursors necessary for DNA synthesis. RRM1 is present throughout the cell division cycle but downregulated in quiescent cells. RRM1 is involved in carcinogenesis, tumor progression, and the response of non-small-cell lung cancer (NSCLC) to chemotherapy.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.