Recombinant Ribonucleotide Reductase M1 / RRM1 Antibody

Rabbit Monoclonal Antibody [Clone RRM1/4372R]

Catalog No	Format	Size
6240-RBM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6240-RBM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6240-RBM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

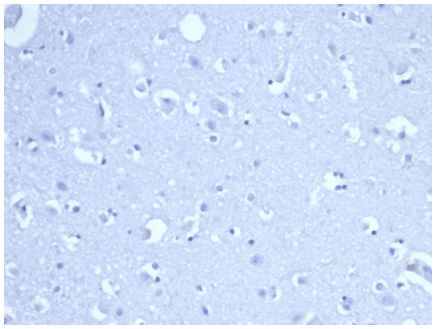
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

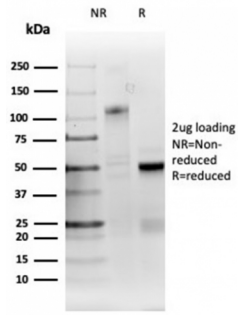
Clone	RRM1/4372R
Gene Name	RRM1
Immunogen	Synthetic peptide corresponding to residues within aa700-800 of human RRM1 (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	94kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human breast, lung or colon carcinoma tissue. Human Intestine, Human Skin, A549, HEK293 or K-562

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

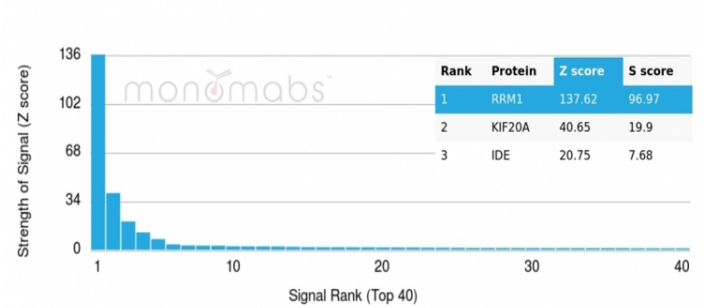
Product Images for Recombinant Ribonucleotide Reductase M1 / RRM1 Antibody



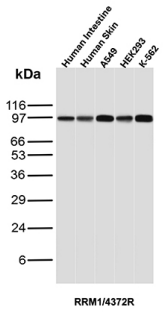
IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using RRM1/4372R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



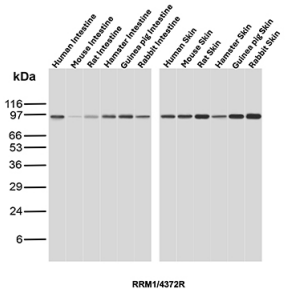
SDS-PAGE Analysis Purified RRM1 Recombinant Rabbit Monoclonal (RRM1/4372R). Confirmation of Purity and Integrity of Antibody.



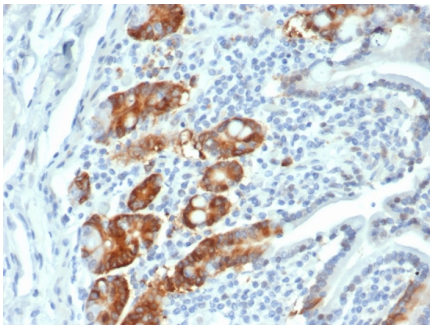
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing RRM1-Monospecific Recombinant Rabbit Monoclonal (RRM1/4372R). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of Human Intestine, Human Skin, A549, HEK293 and K-562 lysates using Ribonucleotide Reductase M1 Recombinant Rabbit Monoclonal Antibody (RRM1/4372R).



Western Blot Analysis of Intestine and Skin tissue lysates of different species using Ribonucleotide Reductase M1 Recombinant Rabbit Monoclonal Antibody (RRM1/4372R).



Formalin-fixed, paraffin-embedded human small intestine stained with RRM1 Recombinant Rabbit Monoclonal (RRM1/4372R).

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 purified from Bioreactor Concentrate by Protein A/G. 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.

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