

Datasheet: MCA3434Z

BATCH NUMBER 180115

Description:	MOUSE ANTI HUMAN RRM2:Preservative Free
Specificity:	RRM2
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1E1
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml
Western Blotting	▪			
Immunofluorescence	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 1 - 111 of human RRM2.
External Database Links	<p>UniProt: P31350 Related reagents</p> <p>Entrez Gene: 6241 RRM2 Related reagents</p>
Synonyms	RR2
RRID	AB_2180397
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human RRM2 antibody, clone 1E1 recognizes human Ribonucleoside-diphosphate reductase subunit M2, also known as RRM2 or Ribonucleotide reductase small subunit. RRM2 is a 389 amino acid ~ 45 kDa intracellular antigen involved in the synthesis of precursors required for DNA synthesis (UniProt: P31350).</p> <p>Mouse anti Human RRM2 antibody, clone 1E1 has been used for the detection of RRM2 in human bladder cancer cell lines by western blotting (Kerr et al. 2014).</p>
References	<ol style="list-style-type: none"> 1. Tang, L. Y. <i>et al.</i> (2007) Quantitative phosphoproteome profiling of Wnt3a-mediated signaling network: indicating the involvement of ribonucleoside-diphosphate reductase M2 subunit phosphorylation at residue serine 20 in canonical Wnt signal transduction. Mol Cell Proteomics. 6: 1952-67. 2. Kerr, M. <i>et al.</i> (2014) Deoxycytidine kinase expression underpins response to gemcitabine in bladder cancer. Clin Cancer Res. 20 (21): 5435-45.
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3434Z</p> <p>10162</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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