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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

RRM2 monoclonal antibody (M01), clone 1E1

Catalog Number: H00006241-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant RRM2.

Clone Name: 1E1

Immunogen: RRM2 (NP_001025, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MLSLRVPLAPITDPQQLQLSPLKGLSLVDKENTPPALS
GTRVLASKTARRIFQEPTPKTKAAAPGVEDEPLLREN
PRRFVIFPIEYHDIWQMYKKAASFWTAEVDLS

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6241

Gene Symbol: RRM2

Gene Alias: R2, RR2M

Gene Summary: This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of

deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. Transcription from this gene can initiate from alternative promoters, which results in two isoforms that differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq]

References:

1. APLP2, RRM2 and PRC1: new putative markers for the differential diagnosis of thyroid follicular lesions. Castelblanco E, Zafon C, Maravall J, Gallel P, Martinez M, Capel I, Bella-Cueto MR, Halperin I, Temprana-Salvador J, Iglesias C, Puig-Domingo M, Robledo M, Matias-Guiu X, Mauricio D. Thyroid. 2016 Oct 31. [Epub ahead of print]
2. RRM1 maintains centrosomal integrity via CHK1 and CDK1 signaling during replication stress. Kim SH, Park ER, Joo HY, Shen YN, Hong SH, Kim CH, Singh R, Lee KH, Shin HJ Cancer Lett. 2014 Jan 14. pii: S0304-3835(14)00014-7. doi: 10.1016/j.canlet.2013.12.031.
3. KRAS-mediated Up-regulation of RRM2 Expression Is Essential for the Proliferation of Colorectal Cancer Cell Lines. Yoshida Y, Tsunoda T, Doi K, Tanaka Y, Fujimoto T, Machida T, Ota T, Koyanagi M, Takashima Y, Sasazuki T, Kuroki M, Iwasaki A, Shirasawa S. Anticancer Research July 2011 vol. 31 no. 7 2535-2539