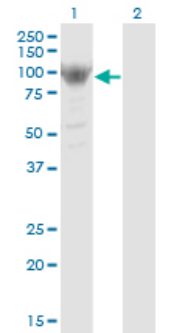
RRM1 monoclonal antibody (M09), clone 2F12

Catalog # H00006240-M09 Size 100 ug

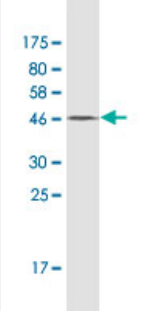
Applications



Western Blot (Transfected lysate)

Western Blot analysis of RRM1 expression in transfected 293T cell line by RRM1 monoclonal antibody (M09), clone 2F12.

Lane 1: RRM1 transfected lysate (Predicted MW: 90.1 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (47.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RRM1.
Immunogen	RRM1 (NP_001024.1, 593 a.a. ~ 792 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	IRNSLLIAPMPTASTAQILGNNESIEPYTSNIYTRRVLSGEFQIVNPHLLKDLTERGLWHEEMKNQIIAC NGSIQSIPEIPDDLKQLYKTVWEISQKTVLKMAAERGAFIDQSQSLNIHIAEPNYGKLTSMHFYGWK QGLKTGMYYLRTRPAANPIQFTLNKEKLKDKEKVSKEEEEKERNTAAMVCSLENRDECLMCGS
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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  Lane 1: RRM1 transfected lysate (Predicted MW: 90.1 KDa).
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  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — RRM1

Entrez GeneID	6240
GeneBank Accession#	NM_001033.2
Protein Accession#	NP_001024.1
Gene Name	RRM1
Gene Alias	R1, RIR1, RR1
Gene Description	ribonucleotide reductase M1
Omim ID	180410
Gene Ontology	Hyperlink

Gene Summary	This gene encodes one of two non-identical subunits that constitute ribonucleoside-diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted gene domain of 11 p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region. [provided by RefSeq
Other Designations	ribonucleoside-diphosphate reductase M1 chain|ribonucleotide reductase M1 polypeptide|ribonucleotide reductase, R1 subunit|ribonucleotide reductase, large subunit

Pathway

- Glutathione metabolism
- Metabolic pathways
- Purine metabolism
- Pyrimidine metabolism

Disease

- Abortion
- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Failure
- Lung Neoplasms
- Neoplasm Recurrence
- Neoplasms

- Neutropenia
- Pancreatic Neoplasms