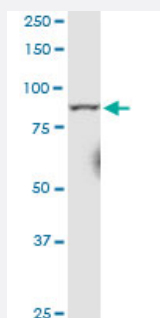


RRM1 monoclonal antibody (M08), clone 2D11

Catalog # H00006240-M08

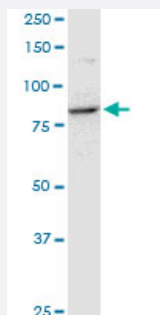
Size 100 ug

Applications



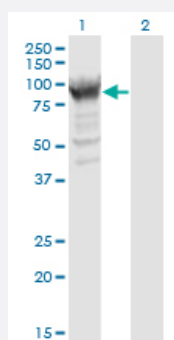
Western Blot (Cell lysate)

RRM1 monoclonal antibody (M08), clone 2D11. Western Blot analysis of RRM1 expression in Raw 264.7.



Western Blot (Cell lysate)

RRM1 monoclonal antibody (M08), clone 2D11. Western Blot analysis of RRM1 expression in K-562.

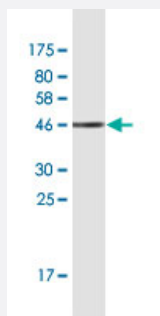


Western Blot (Transfected lysate)

Western Blot analysis of RRM1 expression in transfected 293T cell line by RRM1 monoclonal antibody (M08), clone 2D11.

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	IRNSLLIAPMPTASTAQILGNNEIEPYTSNIYTRRVLSGEFQV/NPHLLKDLTERGLWHEEMKNQIIAC NGSIQSIPEIPDDLKQLYKTVWEISQKTVLKMAAERGAFIGQSQSLNIHIAEPNYGKLTSMHFYGWK QGLKTGMYLRLTRPAANPIQFTLNKEKLKDKEKVSKEEEEKERNTAAMVCSLENRDECLMCGS
Host	Mouse
Reactivity	Human, Mouse
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 (Cell lysate)

RRM1 monoclonal antibody (M08), clone 2D11. Western Blot analysis of RRM1 expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Cell lysate)

RRM1 monoclonal antibody (M08), clone 2D11. Western Blot analysis of RRM1 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of RRM1 expression in transfected 293T cell line by RRM1 monoclonal antibody (M08), clone 2D11.

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

Lane 2: Non-transfected lysate.

[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 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical 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](#)