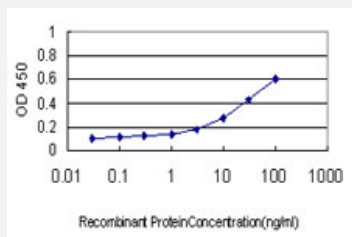


RRM1 monoclonal antibody (M03), clone 4E4

Catalog # H00006240-M03

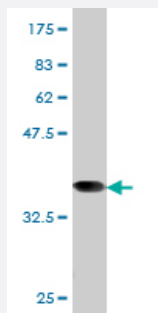
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRM1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant RRM1.

Immunogen

RRM1 (NP_001024, 644 a.a. ~ 753 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

DLTERGLWHEEMKNQIIACNGSIQSIPEIPDDLKQLYKTVWEISQKTVLKMAAERGAFIDQSQSLNIHIAEPNYGKLTSMHFYGWKQGLKTGMYYLRTRPAANPIQFTLN

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (99); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRM1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RRM1

Entrez GeneID	6240
GeneBank Accession#	NM_001033
Protein Accession#	NP_001024
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](#)