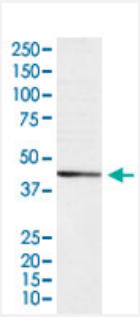
RRM2 monoclonal antibody, clone AEAE-18

Catalog # MAB22184 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic protein of human RRM2.
Immunogen	A synthetic peptide corresponding to human RRM2.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human RRM2, in native form and recombinant. Superfamily members of RR M2 are not reactive to antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — RRM2

Entrez GeneID	6241
Protein Accession#	P31350
Gene Name	RRM2
Gene Alias	R2, RR2M
Gene Description	ribonucleotide reductase M2 polypeptide
Omim ID	180390
Gene Ontology	Hyperlink
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 p rotein (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
Other Designations	ribonucleotide reductase M2 subunit

Pathway

- Glutathione metabolism
- Metabolic pathways
- p53 signaling pathway
- Purine metabolism

- Pyrimidine metabolism

Disease

- Abortion
- Adenocarcinoma
- Genetic Predisposition to Disease
- Pancreatic Neoplasms