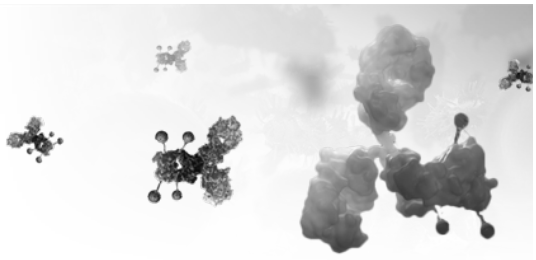

RRM2B blocking peptide (CDBP5296)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the small subunit of a p53-inducible ribonucleotide reductase. This heterotetrameric enzyme catalyzes the conversion of ribonucleoside diphosphates to deoxyribonucleoside diphosphates. The product of this reaction is necessary for DNA synthesis. Mutations in this gene have been associated with autosomal recessive mitochondrial DNA depletion syndrome, autosomal dominant progressive external ophthalmoplegia-5, and mitochondrial neurogastrointestinal encephalopathy. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	RRM2B ribonucleotide reductase M2 B (TP53 inducible) [Homo sapiens (human)]
Official Symbol	RRM2B
Synonyms	RRM2B; ribonucleotide reductase M2 B (TP53 inducible); P53R2; MTDPS8A; MTDPS8B; ribonucleoside-diphosphate reductase subunit M2 B; TP53-inducible ribonucleotide reductase M2 B; p53-inducible ribonucleotide reductase small subunit 2 homolog; p53-inducible

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	ribonucleotide reductase small subunit 2-like protein; p53-inducible ribonucleotide reductase small subunit 2 short form beta
Entrez Gene ID	50484
mRNA Refseq	NM_001172477
Protein Refseq	NP_001165948
UniProt ID	Q7LG56
Pathway	DNA damage response; Direct p53 effectors; Glutathione metabolism; Metabolism; Metabolism of nucleotides; Nucleotide Metabolism; Purine metabolism; Pyrimidine metabolism
Function	metal ion binding; ribonucleoside-diphosphate reductase activity, thioredoxin disulfide as acceptor

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