



Anti-RRM1 (aa 644-753) polyclonal antibody (DPAB-DC2760)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	RRM1 (NP_001024, 644 a.a. ~ 753 a.a) partial recombinant protein with GST tag. The sequence is DLTERGLWHEEMKNQIIACNGSIQSIPEIPDDLKQLYKTVWEISQKTVLKMAAERGAFID QSQSLNIHIAEPNYGKLTSMHFYGWKQGLKTGMYLRLTRPAANPIQFTLN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RRM1 ribonucleotide reductase M1 [Homo sapiens (human)]
Official Symbol	RRM1
Synonyms	RRM1; ribonucleotide reductase M1; R1; RR1; RIR1; ribonucleoside-diphosphate reductase large subunit; ribonucleotide reductase, R1 subunit; ribonucleotide reductase M1 polypeptide; ribonucleoside-diphosphate reductase subunit M1;
Entrez Gene ID	6240
Protein Refseq	NP_001024
UniProt ID	P23921
Chromosome Location	11p15.5
Pathway	E2F transcription factor network; Glutathione metabolism; Integrated Pancreatic Cancer Pathway; Metabolism of nucleotides
Function	ATP binding; protein binding; ribonucleoside-diphosphate reductase activity, thioredoxin disulfide as acceptor;