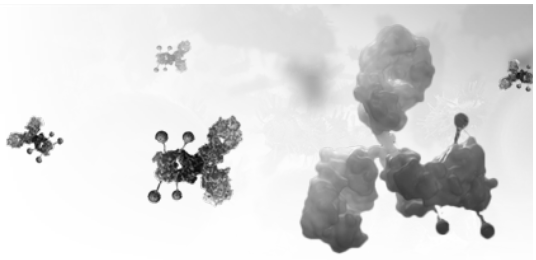

Human DDX1 peptide (DAG-P1500)

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

PRODUCT INFORMATION

Antigen Description	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin. [provided by RefSeq, Jul 2008]
Specificity	Highest levels of transcription in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin including the retina, brain, and spinal cord.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the DEAD box helicase family. DDX1 subfamily.Contains 1 B30.2/SPRY domain.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DDX1 DEAD (Asp-Glu-Ala-Asp) box helicase 1 [Homo sapiens (human)]
Official Symbol	DDX1
Synonyms	DDX1; DEAD (Asp-Glu-Ala-Asp) box helicase 1; DBP-RB; UKVH5d; ATP-dependent RNA

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	helicase DDX1; DEAD box-1; DEAD box protein 1; DEAD box polypeptide 1; DEAD box protein retinoblastoma; DEAD (Asp-Glu-Ala-Asp) box polypeptide 1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1;
Entrez Gene ID	1653
mRNA Refseq	NM_004939.2
Protein Refseq	NP_004930.1
UniProt ID	A3RJH1
Chromosome Location	2p24
Pathway	mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent helicase activity; DNA binding; DNA/RNA helicase activity; RNA helicase activity; chromatin binding; double-stranded RNA binding; exonuclease activity; nuclease activity; poly(A) RNA binding; poly(A) binding; protein binding; tr

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