



Anti-DDX1 (aa 642-740) polyclonal antibody (DPAB-DC723)

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.
Immunogen	DDX1 (NP_004930, 642 a.a. ~ 740 a.a) partial recombinant protein with GST tag. The sequence is RLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDIKVPVDEFDGVITYGQKRAAGGGSY KGHVDILAPTQELAALEKEAQTSLHLGYLPNQLFRTF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	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 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
Protein Refseq	NP_004930
UniProt ID	A3RJH1
Chromosome Location	2p24
Pathway	mRNA processing;
Function	ATP binding; ATP-dependent helicase activity; DNA binding; DNA/RNA helicase activity