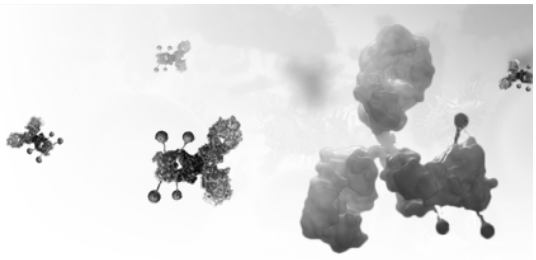

Mouse anti-Human DDX1 monoclonal antibody, clone 5G7 (CABT-B10077)

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

PRODUCT INFORMATION

Immunogen	DDX1 (NP_004930, 642 a.a. ~ 741 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5G7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	RLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDIKVPVDEFDGKVTYGQKRAAGGGSY KGHVDILAPTVQELAALEKEAQTSFLHLGYLPNQLFRTF*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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]
Keywords	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;

GENE INFORMATION

Entrez Gene ID	1653
UniProt ID	Q92499
Pathway	mRNA processing, organism-specific biosystem
Function	ATP binding; ATP-dependent helicase activity; DNA binding; DNA/RNA helicase activity; RNA binding; RNA helicase activity; chromatin binding; exonuclease activity; hydrolase activity; nuclease activity; nucleotide binding; poly(A) RNA binding; protein binding; transcription cofactor activity

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