

## DDX3 Antibody (YA784)

Cat. No.:	HY-P80642
Synonyms:	DDX3 Antibody (YA784) is a non-conjugated and Mouse originated monoclonal antibody about 73 kDa, targeting to DDX3 (6G8). It can be used for WB, ICC/IF, IP, ChIP assays with tag free, in the background of Human, Rat, Mouse, Monkey.
Host:	Mouse
Reactivity:	Human, Rat, Mouse, Monkey
Conjugation:	Non-conjugated
SwissProt ID:	O00571
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 73 kDa

### PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IF	1:50-1:200
	IP	1:20
	ChIP	1:20
Shipping	Shipping with blue ice.	

### DESCRIPTION

#### Background

DDX3 (6G8): The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to be stimulated by both RNA and DNA. This protein has multiple conserved domains and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similarity to both this gene and the DDX3Y paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants. [provided by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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