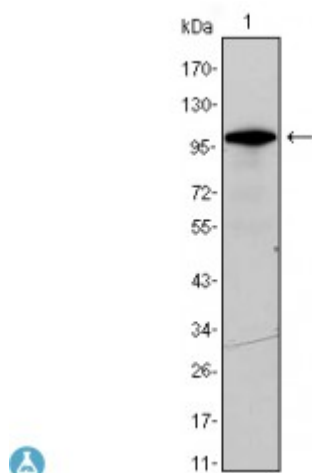


Anti-DDX4 antibody



Description	Mouse monoclonal to DDX4.
Model	STJ97998
Host	Mouse
Reactivity	Human
Applications	ELISA, FC, IF, IHC, WB
Immunogen	Purified recombinant fragment of human DDX4 expressed in E. Coli
Gene ID	54514
Gene Symbol	DDX4
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	DDX4 Monoclonal Antibody detects endogenous levels of DDX4 protein.
Tissue Specificity	Expressed only in ovary and testis. Expressed in migratory primordial germ cells in the region of the gonadal ridge in both sexes.
Purification	Affinity purification
Clone ID	2F9H5
Note	For Research Use Only (RUO).
Protein Name	Probable ATP-dependent RNA helicase DDX4 DEAD box protein 4 Vasa homolog
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:187000MIM:605281
Alternative Names	Probable ATP-dependent RNA helicase DDX4 DEAD box protein 4 Vasa homolog
Function	Probable ATP-dependent RNA helicase required during spermatogenesis . Required to repress transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Involved in the secondary piRNAs metabolic process, the production of piRNAs in fetal male germ cells through a ping-pong amplification cycle .
Cellular Localization	Cytoplasm Cytoplasm, perinuclear region. Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis.

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