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DDX4 (2F9H5) Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Mouse IgG1	UniProt ID: #Q9NQ10	Entrez-Gene Id: 54514
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	DDX4 (2F9H5) Mouse mAb detects endogenous levels of total DDX4 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a purified recombinant fragment of human DDX4.	
Background	DDX4 is an ATP-dependent DEAD-box RNA helicase found in the chromatoid body of the germ cells (1). This enzyme is specific to germ cells and is necessary for germ cell development (2). Mouse DDX4 was shown to interact with Dicer, suggesting a role in microRNA-mediated RNA silencing (1).	
Background References	<ol style="list-style-type: none"> Kotaja, N. et al. (2006) <i>Proc Natl Acad Sci USA</i> 103, 2647-52. Albamonte, M.S. et al. (2008) <i>Hum Reprod</i> 23, 1895-901. 	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting IP: Immunoprecipitation	
Cross-Reactivity Key	H: Human	
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