

DDX41 (D3F1Z) Rabbit mAb



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Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 75	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UJV9	Entrez-Gene Id: 51428
	Application Western Blotting Immunoprecipitation eCLIP For more information a	bout the RBP-eCL	IP service please visit Ec	Dilution 1:1000 1:200 1:200 lipsebio.	
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
sitivity	DDX41 (D3F1Z) Rabbit mAb recognizes endogenous levels of total DDX41 protein.				
cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala98 of human DDX41 protein.				
	The DEAD box helicase DDX41 is an antiviral protein that senses cytosolic DNA and activates the signaling adaptor STING to induce type I interferon production (1). The recognition of bacterial dinucleotides by DDX41 also leads to STING-dependent type 1 interferon production (2). Research studies demonstrate that knockdown of DDX41 attenuates poly(dA:dT)-induced IFN-β production and cyclic GMP-AMP synthase (cGAS, MB21D1) induction (3). The DDX41 protein is thought to be an initial constitutively expressed DNA sensor that activates type I interferon production and leads to cGAS amplification of type I interferon production (3). DDX41 is negatively regulated by the E3 ligase TRIM21 (4). Both germline and somatic mutations in the corresponding <i>DDX41</i> gene are associated with myeloid neoplasms (5,6).				
eferences	1. Zhang, Z. et al. (2011) <i>Nat Immunol</i> 12, 959-65. 2. Parvatiyar, K. et al. (2012) <i>Nat Immunol</i> 13, 1155-61. 3. Ma, F. et al. (2015) <i>J Immunol</i> 194, 1545-54. 4. Zhang, Z. et al. (2013) <i>Nat Immunol</i> 14, 172-8. 5. Ding, L. et al. (2012) <i>Nature</i> 481, 506-10. 6. Polprasert, C. et al. (2015) <i>Cancer Cell</i> 27, 658-70.				
		Application Western Blotting Immunoprecipitation eCLIP For more information a Supplied in 10 mM sodi 0.02% sodium azide. St Isitivity DDX41 (D3F1Z) Rabbit r Cation Monoclonal antibody is residues surrounding A The DEAD box helicase signaling adaptor STIN dinucleotides by DDX41 studies demonstrate th cyclic GMP-AMP syntha initial constitutively exp amplification of type I i (4). Both germline and i myeloid neoplasms (5,6) 1. Zhang, Z. et al. (2011 2. Parvatiyar, K. et al. (2 3. Ma, F. et al. (2015) J. II 4. Zhang, Z. et al. (2012) J. II 5. Ding, L. et al. (2012) J. II	Application Western Blotting Immunoprecipitation eCLIP For more information about the RBP-eCL Supplied in 10 mM sodium HEPES (pH 7.5 0.02% sodium azide. Store at -20°C. Do n Isitivity DDX41 (D3F1Z) Rabbit mAb recognizes er Monoclonal antibody is produced by imm residues surrounding Ala98 of human DE The DEAD box helicase DDX41 is an antiv signaling adaptor STING to induce type I dinucleotides by DDX41 also leads to STIN studies demonstrate that knockdown of I cyclic GMP-AMP synthase (cGAS, MB21D1 initial constitutively expressed DNA senso amplification of type I interferon product (4). Both germline and somatic mutations myeloid neoplasms (5,6). Peferences 1. Zhang, Z. et al. (2011) Nat Immunol 12, 2. Parvatiyar, K. et al. (2012) Nat Immunol 3. Ma, F. et al. (2015) J Immunol 194, 1545 4. Zhang, Z. et al. (2013) Nat Immunol 14, 5. Ding, L. et al. (2012) Nature 481, 506-10	Application Western Blotting Immunoprecipitation eCLIP For more information about the RBP-eCLIP service please visit Ec Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg, 0.02% sodium azide. Store at ~20°C. Do not aliquot the antibody. DDX41 (D3F1Z) Rabbit mAb recognizes endogenous levels of tota Monoclonal antibody is produced by immunizing animals with a sersidues surrounding Ala98 of human DDX41 protein. The DEAD box helicase DDX41 is an antiviral protein that senses of signaling adaptor STING to induce type I interferon production (1 dinucleotides by DDX41 also leads to STING-dependent type 1 intertudies demonstrate that knockdown of DDX41 attenuates poly(c cyclic GMP-AMP synthase (cGAS, MB21D1) induction (3). The DDX initial constitutively expressed DNA sensor that activates type I in amplification of type I interferon production (3). DDX41 is negatively (4). Both germline and somatic mutations in the corresponding Demyeloid neoplasms (5,6). 1. Zhang, Z. et al. (2011) Nat Immunol 12, 959-65. 2. Parvatiyar, K. et al. (2012) Nat Immunol 14, 175-61. 3. Ma, F. et al. (2015) J Immunol 194, 1545-54. 4. Zhang, Z. et al. (2013) Nat Immunol 14, 172-8. 5. Ding, L. et al. (2012) Nature 481, 506-10.	Application Western Blotting Immunoprecipitation eCLIP For more information about the RBP-eCLIP service please visit Eclipsebio. Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycer 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. DDX41 (D3F1Z) Rabbit mAb recognizes endogenous levels of total DDX41 protein. Monoclonal antibody is produced by immunizing animals with a synthetic peptide coresidues surrounding Ala98 of human DDX41 protein. The DEAD box helicase DDX41 is an antiviral protein that senses cytosolic DNA and a signaling adaptor STING to induce type I interferon production (1). The recognition dinucleotides by DDX41 also leads to STING-dependent type 1 interferon production studies demonstrate that knockdown of DDX41 attenuates poly(dA:dT)-induced IFN-cyclic GMP-AMP synthase (cGAS, MB21D1) induction (3). The DDX41 protein is thoug initial constitutively expressed DNA sensor that activates type I interferon production amplification of type I interferon production (3). DDX41 is negatively regulated by th (4). Both germline and somatic mutations in the corresponding DDX41 gene are assimyeloid neoplasms (5,6). eferences 1. Zhang, Z. et al. (2011) Nat Immunol 12, 959-65. 2. Parvatiyar, K. et al. (2012) Nat Immunol 13, 1155-61. 3. Ma, F. et al. (2015) J Immunol 194, 1545-54. 4. Zhang, Z. et al. (2013) Nat Immunol 14, 172-8. 5. Ding, L. et al. (2012) Nature 481, 506-10.

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

 $IMPORTANT: For western \ blots, incubate \ membrane \ with \ diluted \ primary \ antibody \ in \ 5\% \ w/v \ nonfat$ Western Blot Buffer

dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IP: Immunoprecipitation eCLIP: eCLIP

Cross-Reactivity Key H: Human M: Mouse R: Rat

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