

#92043 Store at -20°C

## TRIM21 (D1O1D) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H	Endogenous	50	Rabbit IgG	#P19474	6737

<b>Product Usage Information</b>	<b>Application</b> Western Blotting Immunoprecipitation	<b>Dilution</b> 1:1000 1:50
<b>Storage</b>	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.	
<b>Specificity / Sensitivity</b>	TRIM21 (D1O1D) Rabbit mAb recognizes endogenous levels of total TRIM21 protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val309 of human TRIM21 protein.	
<b>Background</b>	Tripartite motif-containing protein 21 (TRIM21) is a cytosolic antiviral protein that is induced by interferons and acts as a cytosolic IgG receptor (1,2). TRIM21 is an activator of the innate immune system and targets antibody bound virions to the proteasome via its E3 ubiquitin ligase activity, leading to degradation of the virions in the cytosol (3,4). Interestingly, TRIM21 has also been shown to negatively regulate pathogen-induced interferon production through the polyubiquitin-mediated degradation of multiple targets including IRF3, IRF7, and DDX41 (5,6,7).	
<b>Background References</b>	1. Keeble, A.H. et al. (2008) <i>Proc Natl Acad Sci U S A</i> 105, 6045-50. 2. Sjöstrand, M. et al. (2013) <i>J Immunol</i> 191, 3753-63. 3. McEwan, W.A. et al. (2013) <i>Nat Immunol</i> 14, 327-36. 4. Mallery, D.L. et al. (2010) <i>Proc Natl Acad Sci U S A</i> 107, 19985-90. 5. Higgs, R. et al. (2008) <i>J Immunol</i> 181, 1780-6. 6. Young, J.A. et al. (2011) <i>J Biol Chem</i> 286, 6521-31. 7. Zhang, Z. et al. (2013) <i>Nat Immunol</i> 14, 172-8.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	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.
<b>Applications Key</b>	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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