

# Product Datasheet

## PYCRL Antibody (4F11) - Azide and BSA Free H00065263-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 4

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**H00065263-M01**

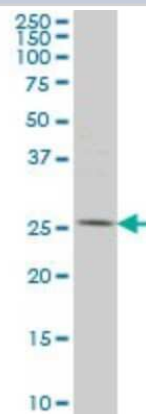
PYCRL Antibody (4F11) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4F11
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse PYCRL Antibody (4F11) - Azide and BSA Free (H00065263-M01) is a monoclonal antibody validated for use in WB, ELISA, ICC/IF and IP. Anti-PYCRL Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	65263
<b>Gene Symbol</b>	PYCR3
<b>Species</b>	Human
<b>Reactivity Notes</b>	Other species not tested.
<b>Specificity/Sensitivity</b>	PYCRL (4F11)
<b>Immunogen</b>	PYCRL (NP_075566, 32 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. KVEAQHILASAPTDRNLCHFQALGCRTTHSNQEVLQSCLLVIFATKPHVLPVAVL AEVAPVVTTEHILVSVAAAGVSLSTLEELLPPNTRVLRVLPNLPCVV
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

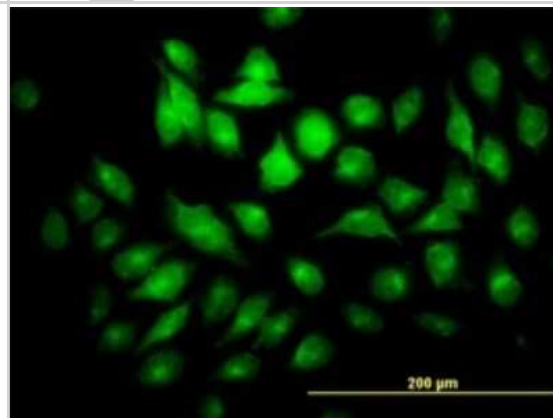


## Images

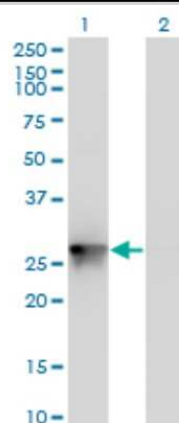
Western Blot: PYCRL Antibody (4F11) [H00065263-M01] - PYCRL monoclonal antibody (M01), clone 4F11 Analysis of PYCRL expression in HeLa.



Immunocytochemistry/Immunofluorescence: PYCRL Antibody (4F11) [H00065263-M01] - Analysis of monoclonal antibody to PYCRL on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: PYCRL Antibody (4F11) [H00065263-M01] - Analysis of PYCRL expression in transfected 293T cell line by PYCRL monoclonal antibody (M01), clone 4F11. Lane 1: PYCRL transfected lysate (Predicted MW: 28.6 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: PYCRL Antibody (4F11) [H00065263-M01] - Analysis of PYCRL transfected lysate using anti-PYCRL monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PYCRL monoclonal antibody.



ELISA: PYCRL Antibody (4F11) [H00065263-M01] - Detection limit for recombinant GST tagged PYCRL is approximately 0.3ng/ml as a capture antibody.



## Publications

Hamanaka, RB;O'Leary, EM;Witt, LJ;Tian, Y;Gokalp, GA;Meliton, AY;Dulin, NO;Mutlu, GM; Glutamine Metabolism is Required for Collagen Protein Synthesis in Lung Fibroblasts Am. J. Respir. Cell Mol. Biol. 2019-04-11 [PMID: 30973753] (WB, Human)

Haider S, McIntyre A, van Stiphout RG et al. Genomic alterations underlie a pan-cancer metabolic shift associated with tumour hypoxia. Genome Biol 2016-06-29 [PMID: 27358048] (WB)

Zaki MS, Bhat G, Sultan T et al. PYCR2 mutations cause a lethal syndrome of microcephaly and failure to thrive. Ann. Neurol. 2016-04-30 [PMID: 27130255] (WB, Human)

De Ingeniis J, Ratnikov B, Richardson AD et al. Functional specialization in proline biosynthesis of melanoma. PLoS One. 2012-01-01 [PMID: 23024808] (Human)





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### **Products Related to H00065263-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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