

# Product Datasheet

## Lyp/PTPN22 Antibody (4F6) - Azide and BSA Free H00026191-M01

Unit Size: 0.1 mg

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

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**H00026191-M01**

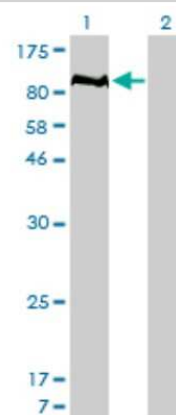
Lyp/PTPN22 Antibody (4F6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	26191
Gene Symbol	PTPN22
Species	Human, Mouse, Porcine
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 23619366). This antibody was tested in transfected lysates of mouse origin in PMID: 23619366. However, we have had mixed results with detection of the mouse protein in western blot.
Specificity/Sensitivity	PTPN22 (4F6)
Immunogen	PTPN22 (AAH17785, 1 a.a. ~ 179 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MDQREILQKFLDEAQSKKITKEEFANEFLKLKRQSTKYKADKTYPTTVAEKPKNI KKNRYKDILPYDYSRVELSLITSEDEDSSYINANFIKGVYGPKAYIATQGPLSTTLL DFWRMIWEYSVLIIVMACMEYEMGKEAEKRKSDYIIRTLKVKFNSVSVILAHQTS LQNLFSQITPAHF
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Knockdown Validated
Application Notes	Antibody reactive against recombinant protein for western blot. It has also been used for RNAi validation and ELISA.

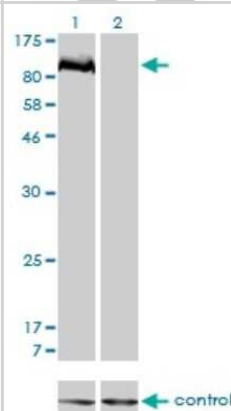


## Images

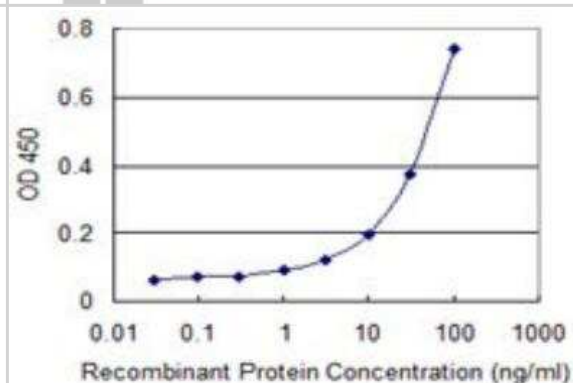
Western Blot: Lyp/PTPN22 Antibody (4F6) [H00026191-M01] - Analysis of PTPN22 expression in transfected 293T cell line by PTPN22 monoclonal antibody (M01), clone 4F6. Lane 1: PTPN22 transfected lysate (85.1 KDa). Lane 2: Non-transfected lysate.



Western Blot: Lyp/PTPN22 Antibody (4F6) [H00026191-M01] - Analysis of PTPN22 over-expressed 293 cell line, cotransfected with PTPN22 Validated Chimera RNAi ( Cat # H00026191-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with PTPN22 monoclonal antibody (M01), clone 4F6 (Cat # H00026191-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



ELISA: Lyp/PTPN22 Antibody (4F6) [H00026191-M01] - Detection limit for recombinant GST tagged PTPN22 is 1 ng/ml as a capture antibody.



## Publications

Sampaio LS, Iannotti FA, Veneziani L et al. Experimental ischemia/reperfusion model impairs endocannabinoid signaling and Na<sup>+</sup>/K<sup>+</sup> ATPase expression and activity in kidney proximal tubule cells. *Biochem Pharmacol* 2018-06-08 [PMID: 29890144]

Dai X, James RG, Habib T et al. A disease-associated PTPN22 variant promotes systemic autoimmunity in murine models. *J Clin Invest* 2013-05-01 [PMID: 23619366] (WB, Mouse, Human)



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### **Products Related to H00026191-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00026191-P01-10ug	Recombinant Human Lyp/PTPN22 GST (N-Term) Protein

### **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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