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Datasheet for ABIN7174103
anti-PTPN22 antibody (AA 1-179)

1 Image

Overview

Quantity:	100 µL
Target:	PTPN22
Binding Specificity:	AA 1-179
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN22 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Tyrosine-protein phosphatase non-receptor type 22 protein (1-179AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PTPN22
Alternative Name:	PTPN22 (PTPN22 Products)
Background:	Background: Acts as negative regulator of T-cell receptor (TCR) signaling by direct dephosphorylation of the Src family kinases LCK and FYN, ITAMs of the TCRz/CD3 complex, as

Target Details

well as ZAP70, VAV, VCP and other key signaling molecules (PubMed:16461343, PubMed:18056643). Associates with and probably dephosphorylates CBL. Dephosphorylates LCK at its activating 'Tyr-394' residue (PubMed:21719704). Dephosphorylates ZAP70 at its activating 'Tyr-493' residue (PubMed:16461343). Dephosphorylates the immune system activator SKAP2 (PubMed:21719704). Positively regulates toll-like receptor (TLR)-induced type 1 interferon production (PubMed:23871208). Promotes host antiviral responses mediated by type 1 interferon (By similarity). Regulates NOD2-induced pro-inflammatory cytokine secretion and autophagy (PubMed:23991106).

Aliases: Hematopoietic cell protein tyrosine phosphatase 70Z PEP antibody, Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP antibody, Lymphoid phosphatase antibody, Lymphoid specific protein tyrosine phosphatase antibody, lymphoid-specific, inducible human protein tyrosine phosphatase antibody, Lyp 1 antibody, Lyp 2 antibody, LyP antibody, Lyp1 antibody, Lyp2 antibody, LyPTP antibody, OTTHUMP00000013720 antibody, OTTHUMP00000013721 antibody, OTTHUMP000000233450 antibody, OTTHUMP000000233451 antibody, PEP antibody, PEST-domain phosphatase antibody, Protein tyrosine phosphatase non receptor type 22 (lymphoid) antibody, Protein tyrosine phosphatase non receptor type 22 antibody, Protein tyrosine phosphatase non receptor type 8 antibody, Protein tyrosine phosphatase non receptor type 8, formerly antibody, PTN22_HUMAN antibody, PTPN 22 antibody, PTPN 8 antibody, Ptpn22 antibody, PTPN8 antibody, PTPN8, formerly antibody, Tyrosine-protein phosphatase non-receptor type 22 antibody

UniProt: [Q9Y2R2](#)

Application Details

Application Notes: Recommended dilution: IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

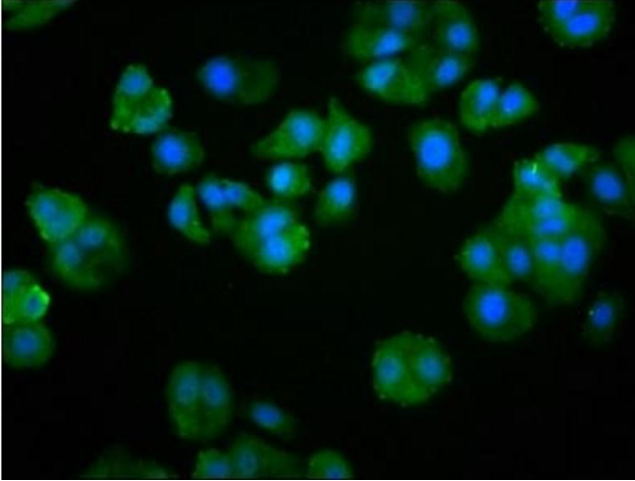
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7174103 at 1:266, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).