

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IF

Recommended dilutions:

ELISA:1:2000-1:10000, IF:1:200-1:500

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

Gene ID:

PTPN22

Uniprot

Q9Y2R2

Synonyms:

Tyrosine-protein phosphatase non-receptor type 22 (EC 3.1.3.48) (Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP) (Lymphoid phosphatase) (LyP) (PEST-domain phosphatase) (PEP), PTPN22, PTPN8

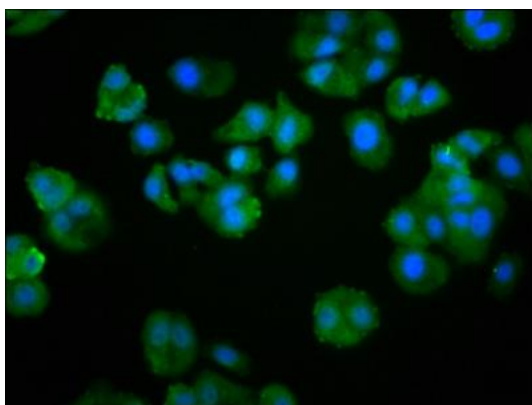
Immunogen:

Recombinant Human Tyrosine-protein phosphatase non-receptor type 22 protein (1-179AA).

Storage:

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

Product Images



Immunofluorescence staining of HepG2 cells with PACO62351 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).