

Datasheet for ABIN7120441 **anti-PTPN22 antibody**

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Overview

Quantity:	100 µg
Target:	PTPN22
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN22 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	protein tyrosine phosphatase, non-receptor type 22(lymphoid)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	PTPN22
Alternative Name:	PTPN22 (PTPN22 Products)
Background:	Synonyms:PTPN8 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(PubMed:16461343, PubMed:18056643). Associates with and probably dephosphorylates CBL. Dephosphorylates

Target Details

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).

Molecular Weight: 79-95 kDa

Gene ID: 26191

UniProt: [Q9Y2R2](#)

Application Details

Application Notes: WB: 1:200-1:2000, IP: 1:200-1:1000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months