

PTN2 Polyclonal Antibody

Cat #: ABP60031

Size: 30μl /100μl /200μl

Product Information

	Product Name: PTN2 Polyclonal Antibody		
	Applications: WB, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP60031	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: PTPN2 (Protein Tyrosine Phosphatase, Non-Receptor Type 2) is a Protein Coding gene. Diseases associated with PTPN2 include Rheumatoid Factor-Negative Juvenile Idiopathic Arthritis and Oligoarticular Juvenile Idiopathic Arthritis. Among its related pathways are Listeria monocytogenes entry into host cells and Jak-STAT signaling pathway (KEGG). The protein encoded by PTPN2 is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of PTPN2, which suggested the roles in growth factor mediated cell signaling.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:5000-1:20000).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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