

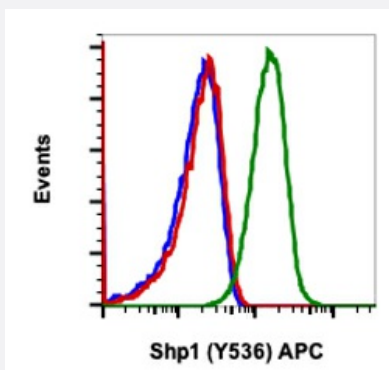
RecomAb™

# PTPN6 recombinant monoclonal antibody, clone Shp1Y536-2A7 (APC)

Catalog # RAB03049

Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of Ramos cells unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-Shp1 (Tyr536) antibody Shp1Y536-2A7 APC conjugate.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTPN6.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr536 of human phospho Shp1
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

Flow cytometric analysis of Ramos cells unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-Shp1 (Tyr536) antibody Shp1Y536-2A7 APC conjugate.

## Gene Info — PTPN6

Entrez GeneID	<a href="#">5777</a>
Protein Accession#	<a href="#">P29350</a>
Gene Name	PTPN6
Gene Alias	HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1
Gene Description	protein tyrosine phosphatase, non-receptor type 6
Omim ID	<a href="#">176883</a>
Gene Ontology	<a href="#">Hyperlink</a>

Gene Summary	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq]
Other Designations	hematopoietic cell phosphatase hematopoietic cell protein-tyrosine phosphatase protein-tyrosine phosphatase 1C

## Pathway

- [Adherens junction](#)
- [B cell receptor signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)