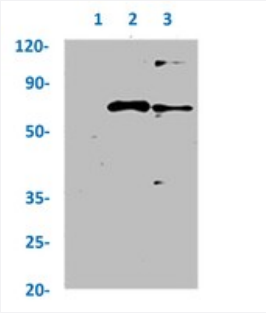
RecomAb™

PTPN11 (phospho Y542) recombinant monoclonal antibody, clone 2E2

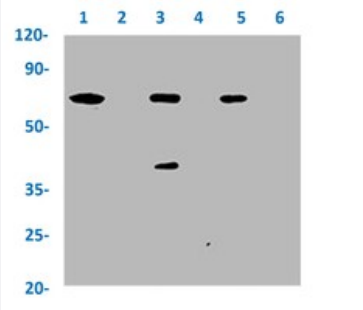
Catalog # RAB04249 Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with PTPN11 (phospho Y542) recombinant monoclonal antibody, clone 2E2 (Cat # RAB04249).
Lane 1: rabbit control IgG, Lane 2: RAB04249 precipitates and Lane 3 : Input (Hela whole cell lysates).



Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate (treated with Pervanadate), Lane 2: Hela whole cell lysate (not treated), Lane 3: 293 whole cell lysate (treated with Pervanadate), Lane 4: 293 whole cell lysate (not treated), Lane 5: A549 whole cell lysate (treated with Pervanadate) and Lane 6: A549 whole cell lysate (not treated) with PTPN11 (phospho Y542) recombinant monoclonal antibody, clone 2E2 (Cat # RAB04249).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTPN11.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Y542 of human PTPN11.
Theoretical MW (kDa)	Calculated MW: 68 kD
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitation analysis of HeLa cell lysate with PTPN11 (phospho Y542) recombinant monoclonal antibody, clone 2E2 (Cat # RAB04249).
  Lane 1: rabbit control IgG, Lane 2: RAB04249 precipitates and Lane 3 : Input (Hela whole cell lysates).

- Western Blot

  Western blot analysis of Lane 1: Hela whole cell lysate (treated with Pervanadate), Lane 2: Hela whole cell lysate (not treated), Lane 3: 293 whole cell lysate (treated with Pervanadate), Lane 4: 293 whole cell lysate (not treated), Lane 5: A549 whole cell lysate (treated with Pervanadate) and Lane 6: A549 whole cell lysate (not treated) with PTPN11 (phospho Y542) recombinant monoclonal antibody, clone 2E2 (Cat # RAB04249).

Gene Info — PTPN11

Entrez GeneID	5781
Protein Accession#	Q06124
Gene Name	PTPN11
Gene Alias	BPTP3, CFC, MGC14433, NS1, PTP-1D, PTP2C, SH-PTP2, SH-PTP3, SHP2

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Gene Description	protein tyrosine phosphatase, non-receptor type 11
Omim ID	151100 163950 176876 607785
Gene Ontology	Hyperlink
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 c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tand em Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate t he interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and pl ays a regulatory role in various cell signaling events that are important for a diversity of cell functio ns, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mu tations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. [provide d by RefSeq
Other Designations	protein tyrosine phosphatase-2|protein-tyrosine phosphatase 2C

Pathway

- Adipocytokine signaling pathway
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection
- Jak-STAT signaling pathway
- Leukocyte transendothelial migration
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Renal cell carcinoma

Disease

- Abnormalities
- Addison Disease
- Adenocarcinoma
- Arrhythmias
- Articulation Disorders

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- Atrophy
- Cardiovascular Diseases
- Celiac Disease
- Cleft Lip
- Cleft Palate
- Cognition
- Cognition Disorders
- Colitis
- Craniofacial Abnormalities
- Crohn Disease
- Developmental Disabilities
- Disease Progression
- Down Syndrome
- Ductus Arteriosus
- Dyslexia
- Ectodermal Dysplasia
- Esophageal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Glioma
- Growth Disorders
- Hearing
- Hearing Loss
- Heart Defects
- Heart Septal Defects

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- Helicobacter Infections
- Hematologic Diseases
- Hypertrophy
- Infant
- Language Disorders
- LEOPARD Syndrome
- Leukemia
- Lymphedema
- Memory
- Metaplasia
- Mitochondrial Diseases
- Motor Skills
- Motor Skills Disorders
- Myeloproliferative Disorders
- Neurofibromatoses
- Neurofibromatosis
- Neurofibromatosis 1
- Neuropsychological Tests
- Noonan Syndrome
- Obesity
- Ovarian Failure
- Pancreatic cancer
- Pancreatic Neoplasms
- Peptic Ulcer
- Polycystic Ovary Syndrome
- Puberty

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- Pulmonary Valve Stenosis
- Skin Abnormalities
- Stomach Neoplasms
- Syndrome
- Thrombophilia
- Tobacco Use Disorder

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