

PTP1B Polyclonal Antibody

Catalog number: 11334-1-AP

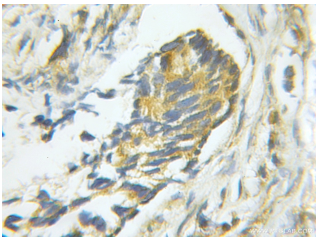
Size: 52 µg/150 µl

Source: Rabbit

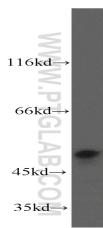
Isotype: IgG

Synonyms:

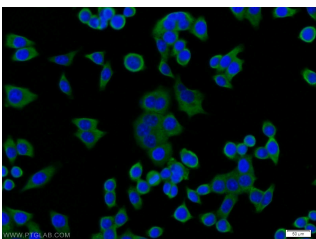
PTPN1; PTP 1B, PTP1B, PTPN1



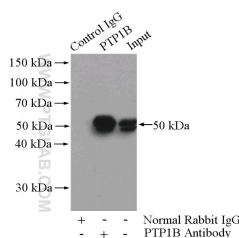
Immunohistochemical of paraffin-embedded human prostate cancer using 11334-1-AP (PTPN1 antibody) at dilution of 1:50 (under 10x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 11334-1-AP (PTPN1 antibody) at dilution of 1:300



Immunofluorescent analysis of BxPC-3 cells using 11334-1-AP (PTPN1 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-PTPN1

(IP:11334-1-AP, 4ug;

Detection:11334-1-AP 1:500)

with A431 cells lysate 2400ug.

Background

PTPN1 (protein tyrosine phosphatase, non-receptor type 1) is also named as PTP1B, PTP-1B and belongs to the protein-tyrosine phosphatase family and non-receptor class 1 subfamily. PTPN1 is involved in the regulation of several important physiological pathways, which regulates both insulin and leptin signaling, and interacts with the epidermal and platelet-derived growth factor receptors (PMID:20101100). The gene might harbor variants influencing susceptibility to insulin resistance and type 2 diabetes (PMID:15919813).

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PTP1B MW:	435aa, 50 kDa
Observed PTP1B MW:	45-55 kDa
Positive WB detected in	Jurkat cells, A431 cells, BxPC-3 cells, HL-60 cells, human placenta tissue, human testis tissue, PC-3 cells
Positive IP detected in	A431 cells
Positive IHC detected in	Human prostate cancer tissue
Positive IF detected in	BxPC-3 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1878
GenBank accession number:	BC015660
Gene ID (NCBI):	5770
Full name:	Protein tyrosine phosphatase, non-receptor type 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

