

Nur für Forschungszwecke

# PTPN6 Polyklonaler Antikörper

Katalog-Nr.: 24546-1-AP

11 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
24546-1-AP

Größe:  
150ul, Konzentration: 800 µg/ml von  
Nanodrop und 333 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG21415

GenBank-Zugangsnummer:  
BC002523

GeneID (NCBI):  
5777

Vollständiger Name:  
protein tyrosine phosphatase, non-  
receptor type 6

Berechnete Masse:  
597 aa, 68 kDa

Beobachtete Masse:  
63 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:8000

IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB

IHC 1:200-1:1000

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-  
Puffer pH 9,0 empfohlen. (\*) Wahlweise  
kann die Antigendemaskierung auch mit  
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: Jurkat-Zellen, A431-Zellen, HuH-7-Zellen, Raji-  
Zellen

IP: Jurkat-Zellen,

IHC: humanes Mammakarzinomgewebe,

IF: MCF-7-Zellen, A431-Zellen

## Hintergrundinformationen

PTPN6 (Tyrosine-protein phosphatase non-receptor type 6) is also named as HCP, PTP1C and belongs to the protein-tyrosine phosphatase family. It regulates muscle INS action in a cell-autonomous manner, further suggesting that the PTPase negatively modulates INS action through down-regulation of both INS signaling to AKT1 and SLC2A4 translocation, as well as SLC2A4 expression (PMID:21952243). It has 4 isoforms produced by alternative splicing.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ying Ren	31645658	Acta Pharmacol Sin	WB
Xiaofei Shen	31594861	J Biol Chem	WB
Ighodaro Igbe	29371942	Oncotarget	WB

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

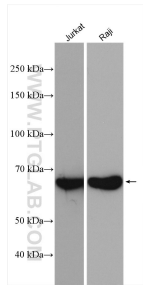
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

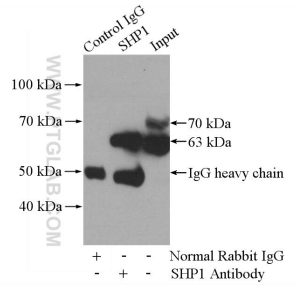
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

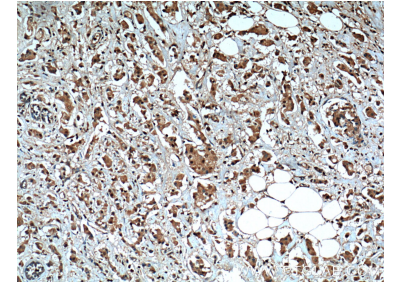
## Ausgewählte Validierungsdaten



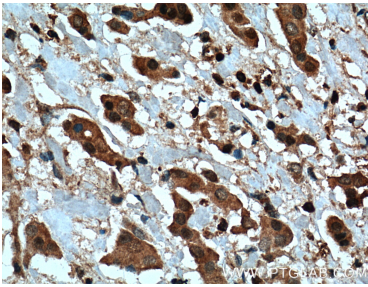
Various lysates were subjected to SDS PAGE followed by western blot with 24546-1-AP (SHP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



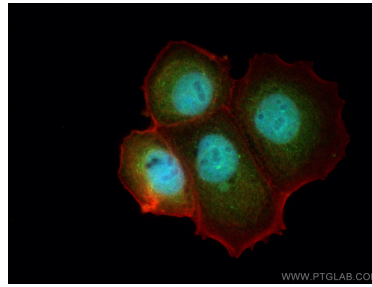
IP Result of anti-SHP1 (IP:24546-1-AP, 4ug; Detection:24546-1-AP 1:600) with Jurkat cells lysate 3600ug.



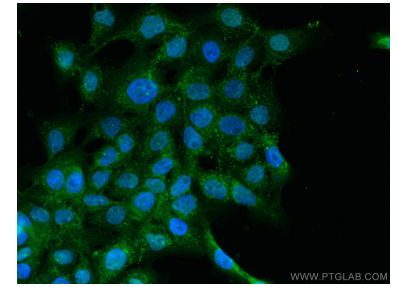
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24546-1-AP (SHP1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



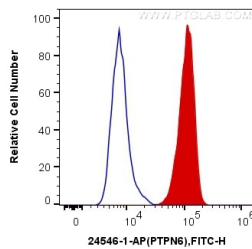
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24546-1-AP (SHP1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PTPN6 antibody (24546-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using PTPN6 antibody (24546-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human PTPN6 (24546-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).