

Allgemeine Informationen

Katalog-Nr.:
20145-1-AP

Größe:

150ul , Konzentration: 400 µg/ml von Nanodrop und 227 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:
AG13660

GenBank-Zugangsnummer:

BC008692

GeneID (NCBI):

5781

Vollständiger Name:

protein tyrosine phosphatase, non-receptor type 11

Berechnete Masse:

597 aa, 68 kDa

Beobachtete Masse:

68-75 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB

IHC 1:100-1:400

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

Cell treatment, ColP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB : A431-Zellen, A549-Zellen, HEK-293-Zellen, HeLa-Zellen, humanes Herzgewebe, humanes Hirngewebe, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, U-937-Zellen

IP : HEK-293-Zellen,

IHC : humanes Mammakarzinomgewebe, humanes Gliomgewebe, humanes Herzgewebe

Hintergrundinformationen

PTPN11 (protein tyrosine phosphatase, non-receptor type 11) is also named as PTP-1D, PTP2, PTP2C, PTP3, SHP2, CFC, CFC, BPTP3, SH-PTP2, SH-PTP3, MGC14433 and belongs to the protein-tyrosine phosphatase family and non-receptor class 2 subfamily. It modulates and regulates signaling through numerous pathways, many of which are active in the developing endocardial cushions and implicated the ERK pathway as a central mechanism (PMID:19017799). Its signaling may play equally important roles in retinal survival in both physiological and pathological conditions (PMID:21576358). Defects in PTPN11 are the cause of LEOPARD syndrome type 1 (LEOPARD1), Noonan syndrome type 1 (NS1), juvenile myelomonocytic leukemia (JMML) and metachondromatosis (MC). It has 3 isoforms produced by alternative splicing.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiaoyan Xu	36153598	Parasit Vectors	WB, ColIP
Muhammad Zubair Saleem	33013353	Front Pharmacol	WB
Zhong-Qian Hu	26622699	Oncol Lett	WB, IHC

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

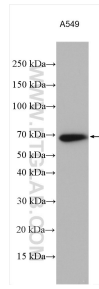
For technical support and original validation data for this product please contact:

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

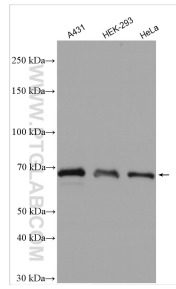
E: proteintech@ptglab.com
W: ptglab.com

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

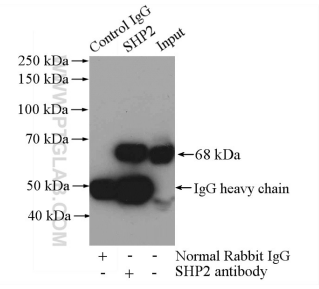
Ausgewählte Validierungsdaten



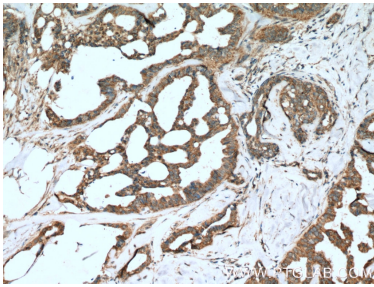
A549 cells were subjected to SDS PAGE followed by western blot with 20145-1-AP (SHP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



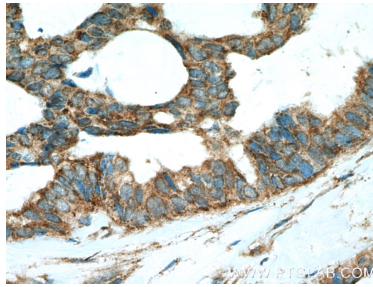
Various lysates were subjected to SDS PAGE followed by western blot with 20145-1-AP (SHP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



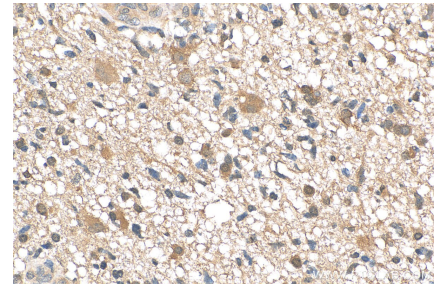
IP Result of anti-SHP2 (IP:20145-1-AP, 4ug; Detection:20145-1-AP 1:1000) with HEK-293 cells lysate 2800ug.



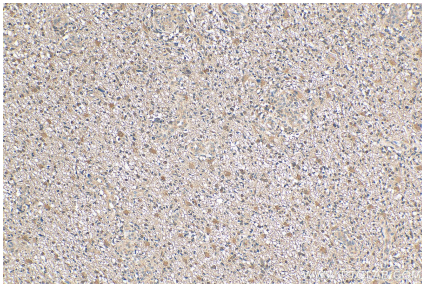
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20145-1-AP (SHP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20145-1-AP (SHP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 20145-1-AP (SHP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 20145-1-AP (SHP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).