

Allgemeine Informationen

Katalog-Nr.: 66795-1-Ig	GenBank-Zugangsnummer: BC008692	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul , Konzentration: 1300 µg/ml von5781 Nanodrop und 800 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 5781	CloneNo.: 3F8A8
Wirt: Maus	Vollständiger Name: protein tyrosine phosphatase, non- receptor type 11	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG1	Berechnete Masse: 597 aa, 68 kDa	
Immunogen Katalognummer: AG13649	Beobachtete Masse: 68 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA	Positivkontrollen:
Getestete Reaktivität: Human, Maus, Ratte	WB : HeLa-Zellen, 4T1-Zellen, HEK-293-Zellen, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	IHC : Maushodengewebe, IF : MCF-7-Zellen,

Hintergrundinformationen

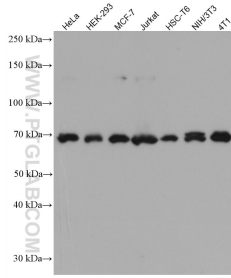
PTPN11 (protein tyrosine phosphatase, non-receptor type 11) is also named as PTP-1D, PTP2, PTP2C, PTP3, SHP2, CFC, CFC, BTP3, SH-PTP2, SH-PTP3, MGC14433 and belongs to the protein-tyrosine phosphatase family and non-receptor class 2 subfamily. It modulates and regulates signaling through numerous pathways, 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.

Lagerung

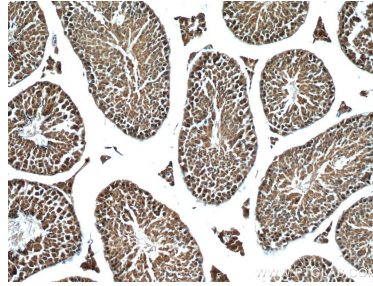
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

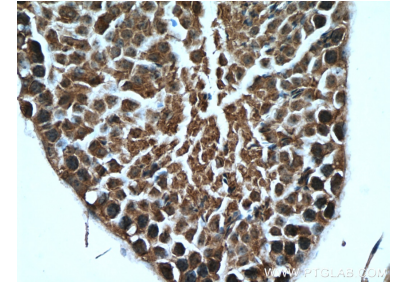
Ausgewählte Validierungsdaten



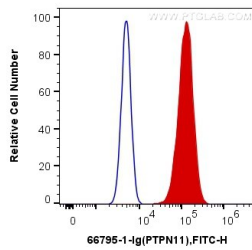
Various lysates were subjected to SDS PAGE followed by western blot with 66795-1-Ig (PTPN11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



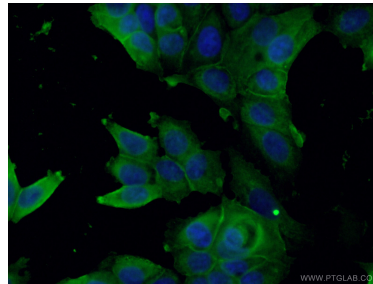
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66795-1-Ig (PTPN11 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66795-1-Ig (PTPN11 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human PTPN11 (66795-1-Ig, Clone:3F8A8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 66795-1-Ig (PTPN11 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).