

## anti- SHP2 antibody

### Product Information

Catalog No.:	FNab07854
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

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.

### Immunogen information

Immunogen:	protein tyrosine phosphatase, non-receptor type 11
Synonyms:	BPTP3, CFC, NS1, PTP 1D, PTP 2C, PTP2C, PTPN11, SH PTP2, SH PTP3, SHP 2, SHP2, SHPTP2
Observed MW:	68kDa, 53kDa
UniprotID :	Q06124

### Wuhan Fine Biotech Co., Ltd.

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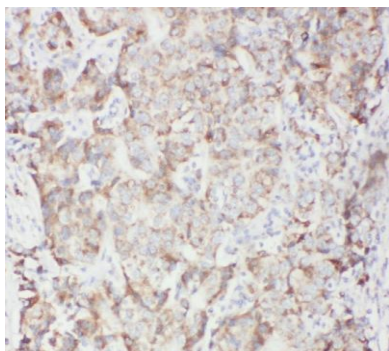
## Application

Reactivity: Human, Mouse, Rat

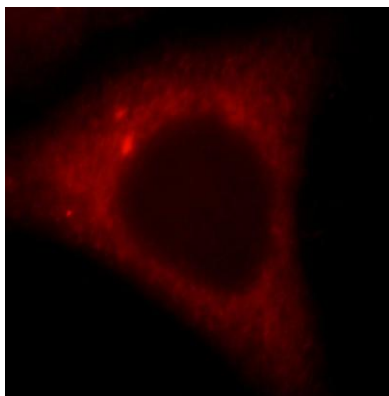
Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:500-1:5000; IP: 1:500-1:5000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab07854(PTPN11 antibody) at dilution of 1:100



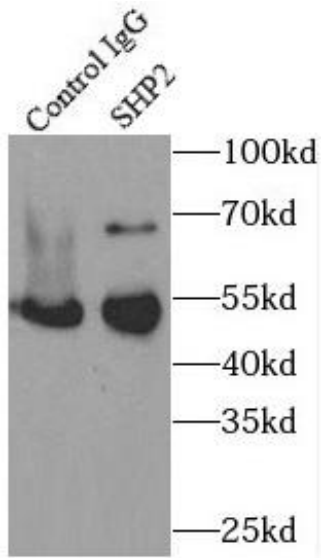
Immunofluorescent analysis of Hela cells, using FNab07854(PTPN11 antibody) at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).

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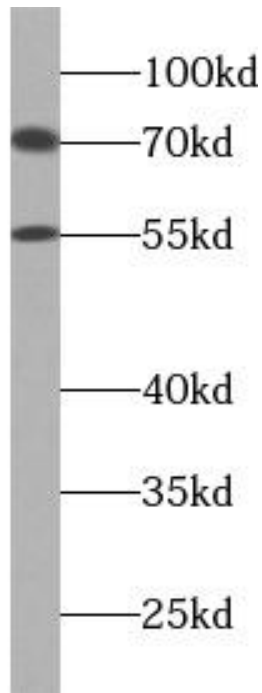
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IP Result of anti-SHP2 (IP:FNab07854, 4ug;  
Detection:FNab07854 1:1000) with HEK-293 cells  
lysate 2800ug.



Jurkat cells were subjected to SDS PAGE followed  
by western blot with FNab07854(PTPN11  
antibody) at dilution of 1:500