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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PTPN11 purified MaxPab mouse polyclonal antibody (B02P) MaxPab®

Catalog # : H00005781-B02P

規格 : [50 ug]

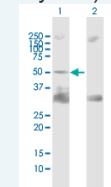
[List All](#)

Specification

| | |
|---------------------------------|---|
| Product Description: | Mouse polyclonal antibody raised against a full-length human PTPN11 protein. |
| Immunogen: | PTPN11 (AAH08692.1, 1 a.a. ~ 460 a.a) full-length human protein. |
| Sequence: | MTSRRWFHPNITGVEAENLLLTRGVDGSFLARPSKSNPGDFTLSVRRN GAVTHIKIQTGDYYDLYGGEKFATLAELVQYMEHHGQLKEKNGDVIEL KYPLNCADPTSERWFHGHLSGKEAEKLLTEKGKHSFLVRESQSHPGD FVLSVRTGDDKGESNDGKSKVTHVMIRCQELKYDVGGGERFDSLTDLV EHYKKNPMVETLGTVLQLKQPLNTRINAAEIESRVRELSKLAETTDKVK QGFWEFETLQQQECKLLYSRKEGQRQENKNKNRYKNILPFDHTRVVL HDGDPNEPVSDYINANIIMPEFETKCNNSKPKKSYIATQGCLQNTVNDFW RMVFQENSRVIVMTTKEVERGKSKCVKYPDEYALKEYGVMRVRNVKE SAAHDYTLRELKLSKVGQGNERTVWQYHFRTWPDHGVPSDPGGVLD FLEEVHHKQESIMDAGPVVVHCR |
| Host: | Mouse |
| Reactivity: | Human |
| Quality Control Testing: | Antibody reactive against mammalian transfected lysate. |
| Storage Buffer: | In 1x PBS, pH 7.4 |
| Storage Instruction: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| MSDS: |  Download |
| Datasheet: |  Download |

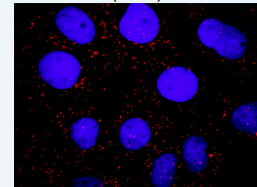
Application Image


Western Blot (Transfected lysate)



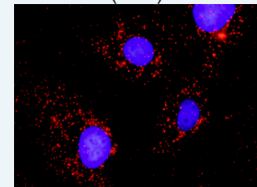
 [enlarge](#)

In situ Proximity Ligation Assay (Cell)



 [enlarge](#)

In situ Proximity Ligation Assay (Cell)



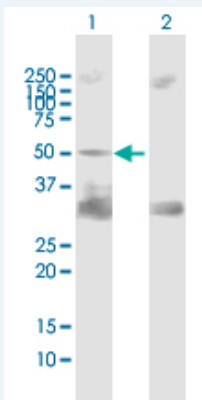
 [enlarge](#)

Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications

Western Blot (Transfected lysate)

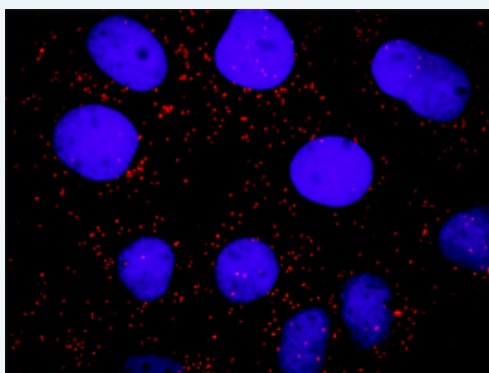


Western Blot analysis of PTPN11 expression in transfected 293T cell line ([H00005781-T02](#)) by PTPN11 MaxPab polyclonal antibody.

Lane 1: PTPN11 transfected lysate(50.6 KDa).
Lane 2: Non-transfected lysate.

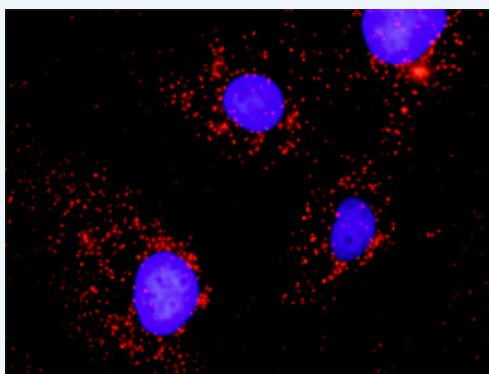
Protocol Download

***In situ* Proximity Ligation Assay (Cell)**



Proximity Ligation Analysis of protein-protein interactions between FLT1 and PTPN11. Huh7 cells were stained with anti-FLT1 rabbit purified polyclonal 1:600 and anti-PTPN11 mouse purified polyclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Proximity Ligation Analysis of protein-protein interactions between CRKL and PTPN11. Mahlavu cells were stained with anti-CRKL rabbit purified polyclonal 1:600 and anti-PTPN11 mouse purified polyclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [5781](#)

GeneBank [BC008692](#)
Accession#:

Protein [AAH08692.1](#)
Accession#:

Gene Name: PTPN11

Gene Alias: BPTP3,CFC,MGC14433,NS1,PTP-1D,PTP2C,SH-PTP2,SH-PTP3,SHP2

Gene Description: protein tyrosine phosphatase, non-receptor type 11

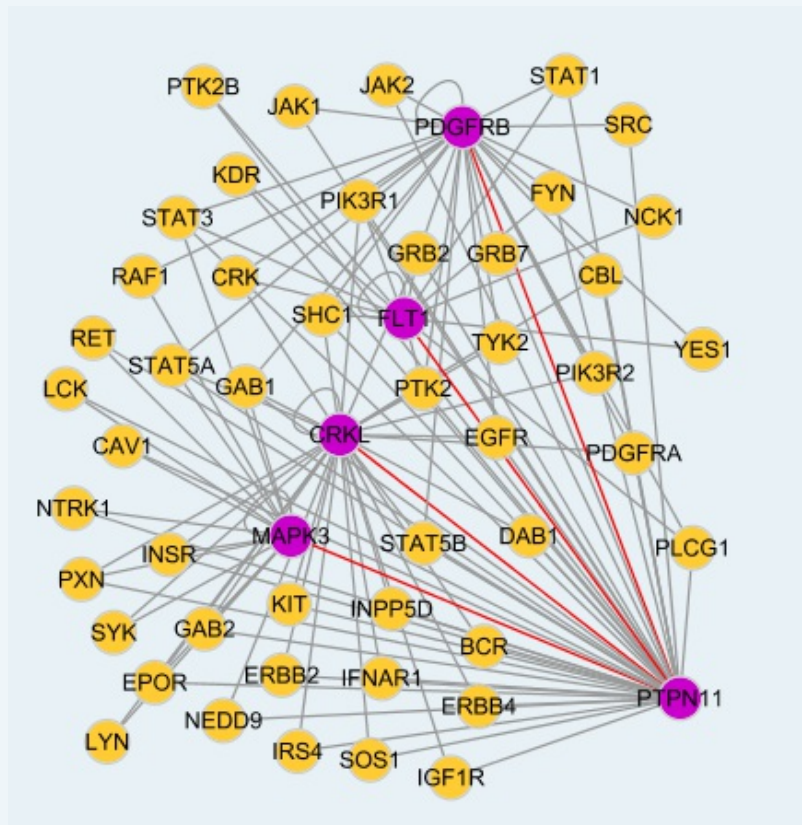
Omim ID: [151100](#), [163950](#), [176876](#), [607785](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. [provided by RefSeq]

Other Designations: protein tyrosine phosphatase-2,protein-tyrosine phosphatase 2C

Interactome



Gene Pathway

[Adipocytokine signaling pathway Chronic myeloid leukemia](#)
[Epithelial cell signaling in Helicobacter pylori infection](#) [Jak-STAT signaling pathway](#)
[Leukocyte transendothelial migration](#) [Natural killer cell mediated cytotoxicity](#)
[Neurotrophin signaling pathway](#) [Renal cell carcinoma](#)

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