

## Rabbit PTPN11-Y542 Antibody | anti-PTPN11 antibody

Phospho-PTPN11-Y542 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA37392  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot |

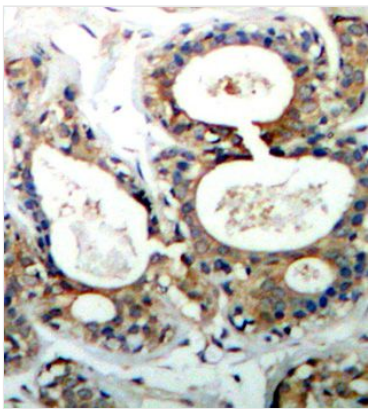
### PRODUCT SYNONYMS

PTPN11-Y542; Phospho-PTPN11-Y542 Polyclonal Antibody; Phospho-PTPN11-Y542: CFC; NS1; SHP2; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3; anti-PTPN11 antibody

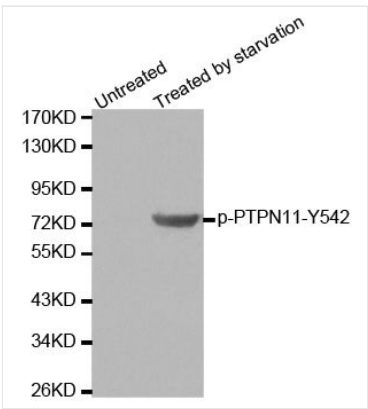
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                     |
| Isotype                                          | IgG                                                                                                                                                   |
| Purity/Purification                              | Affinity Purification                                                                                                                                 |
| Form/Format                                      | PBS with 0.05% proclin300,50% glycerol,pH7.3.                                                                                                         |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                  | 597                                                                                                                                                   |
| Applicable Applications for anti-PTPN11 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                          | Human                                                                                                                                                 |
| Route                                            | Synthetic Peptide                                                                                                                                     |
| Immunogen                                        | A phospho specific peptide corresponding to residues surrounding Y542 of human PTPN11                                                                 |
| Calculated Molecular Weight                      | 72kDa                                                                                                                                                 |
| Preparation and Storage                          | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

IMAGES



**IHC (Immunohiostchemistry)**  
Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-PTPN11-Y542 antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from 293 cells using Phospho-PTPN11-Y542 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTPN11 antibody | 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. Two transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-PTPN11 antibody   | Phosphorylation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 84028248                                                                                                                    |
| NCBI GeneID                      | 5781                                                                                                                        |
| UniProt Accession #              | Q06124; Q96HD7; A8K1D9                                                                                                      |
| Molecular Weight                 | 597                                                                                                                         |
| NCBI Official Full Name          | Tyrosine-protein phosphatase non-receptor type 11                                                                           |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase, non-receptor type 11                                                                          |
| NCBI Official Symbol             | PTPN11                                                                                                                      |
| NCBI Official Synonym Symbols    | CFC; NS1; SHP2; BTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3                                                                       |
| NCBI Protein Information         | tyrosine-protein phosphatase non-receptor type 11; PTP-2C; protein-tyrosine phosphatase 1D; protein-tyrosine phosphatase 2C |
| UniProt Protein Name             | Tyrosine-protein phosphatase non-receptor type 11                                                                           |
| UniProt Gene Name                | PTPN11                                                                                                                      |
| UniProt Synonym Gene Names       | PTP2C; SHPTP2; PTP-1D; PTP-2C; SHP-2; Shp2                                                                                  |
| UniProt Entry Name               | PTN11_HUMAN                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/ptpn11-y542/37392>