

## Rabbit SHP-2 Polyclonal Antibody | anti-SHP-2 antibody

SHP-2 (Ab-542) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA304451 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

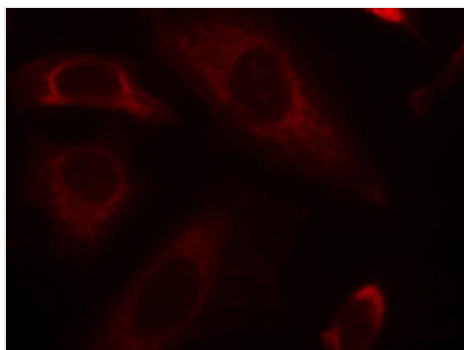
### PRODUCT SYNONYMS

SHP-2; Polyclonal Antibody; SHP-2 (Ab-542) Antibody; Protein-tyrosine phosphatase 2C; anti-SHP-2 antibody

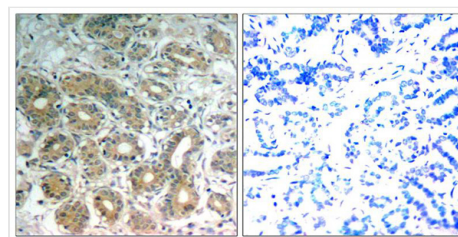
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                               |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                    |
| Specificity                                     | The antibody detects endogenous level of total SHP-2 protein.                                                                                                                 |
| Purity/Purification                             | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                                                     |
| Sequence Length                                 | 593                                                                                                                                                                           |
| Applicable Applications for anti-SHP-2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                        |
| Immunogen Type                                  | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description                           | Peptide sequence around aa. 540~544 (H-E-Y-T-N) derived from Human SHP-2.                                                                                                     |
| Target Name                                     | SHP-2                                                                                                                                                                         |
| Preparation and Storage                         | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                       |

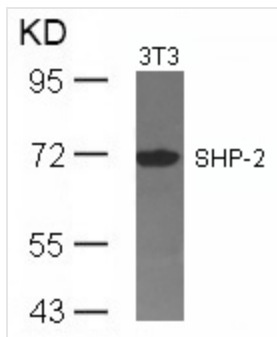
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed HeLa cells using SHP-2(Ab-542) Antibody.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SHP-2(Ab-542) Antibody (left) or the same antibody preincubated with blocking peptide(right).



#### WB (Western Blot)

Western blot analysis of extracts from 3T3 cells using SHP-2(Ab-542) Antibody.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SHP-2 antibody | Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. |
| Product Categories/Family for anti-SHP-2 antibody   | Total protein Ab                                                                                                                                             |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 33356177                                                             |
| NCBI GeneID                      | 5781                                                                 |
| NCBI Accession #                 | NP_002825.3                                                          |
| NCBI GenBank Nucleotide #        | NM_002834.3                                                          |
| UniProt Accession #              | Q06124; Q96HD7; A8K1D9                                               |
| Molecular Weight                 | 52,828 Da                                                            |
| NCBI Official Full Name          | tyrosine-protein phosphatase non-receptor type 11 isoform 1          |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase, non-receptor type 11                   |
| NCBI Official Symbol             | PTPN11                                                               |
| NCBI Official Synonym Symbols    | CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3 |
| NCBI Protein Information         | tyrosine-protein phosphatase non-receptor type 11                    |
| UniProt Protein Name             | Tyrosine-protein phosphatase non-receptor type 11                    |
| UniProt Gene Name                | <b>PTPN11</b>                                                        |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/shp-2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304451>