

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

SHP-2 (Ab-580) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA110007</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

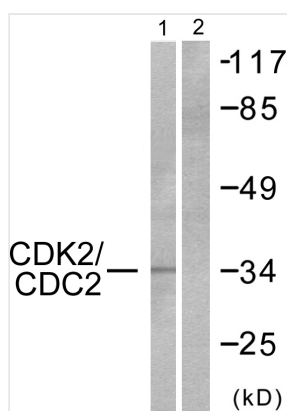
### PRODUCT SYNONYMS

SHP-2; SHP-2 (Ab-580) Antibody; anti-SHP-2 antibody

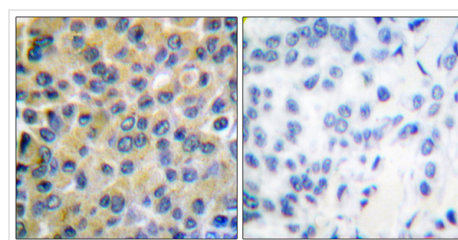
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                        |
| Specificity                                     | SHP-2 (Ab-580) antibody detects endogenous levels of total SHP-2 protein.                                                                                |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                     |
| Form/Format                                     | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                           |
| Sequence Length                                 | 597                                                                                                                                                      |
| Applicable Applications for anti-SHP-2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                     |
| Immunogen                                       | The antiserum was produced against synthesized non-phosphopeptide derived from human SHP-2 around the phosphorylation site of tyrosine 580 (R-V-YP-E-N). |
| Preparation and Storage                         | Store at -20 degree C for 1 year                                                                                                                         |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from A431 cells, using SHP-2 (Ab-580) antibody.


**IHC (Immunohistochemistry)**

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SHP-2 (Ab-580) antibody.

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-SHP-2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                         |
| References                                        | Minako Yamaoka-Tojo, Arterioscler. Thromb. Vasc. Biol., Sep 2006; 26: 1991-1997. Liang Liang, Endocrinology, Sep 2000; 141: 3328. Tony Avril, J. Immunol., Dec 2004; 173: 6841-6849. Laura A. Maile, Mol. Biol. Cell, Sep 2003; 14: 3519. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 1059433492                                                           |
| NCBI GeneID                      | 5781                                                                 |
| NCBI Accession #                 | NP_001317366.1                                                       |
| NCBI GenBank Nucleotide #        | NM_001330437.1                                                       |
| UniProt Accession #              | Q06124; Q96HD7; A8K1D9                                               |
| Molecular Weight                 | 52,828 Da                                                            |
| NCBI Official Full Name          | tyrosine-protein phosphatase non-receptor type 11 isoform 3          |
| 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                           |

**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://www.aaabiotech.com/human-mouse-rat-antibody/shp-2/110007>