

## SHP-2 (phospho-Y542) polyclonal antibody

Catalog: BS4170

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Several groups have independently identified a non-transmembrane PTP, designated SH-PTP1 (also known as PTP1C, HCP and SHP), which is primarily expressed in hematopoietic cells and characterized by the presence of two SH2 domains N-terminal to the PTP domain. SH2 domains generally mediate the association of regulatory molecules with specific phosphotyrosine-containing sites on autophosphorylated receptors, thereby controlling the initial interaction of receptors with these substrates. A second and much more widely expressed PTP with SH2 domains, SH-PTP2 (also designated PTP1D and Syp), has been identified. Strong sequence similarity between SH-PTP2 and the Drosophila gene corkscrew (CSW) and their similar patterns of expression suggest that SH-PTP2 is the human corkscrew homolog.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 70 kDa

### Swiss-Prot:

Q06124

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

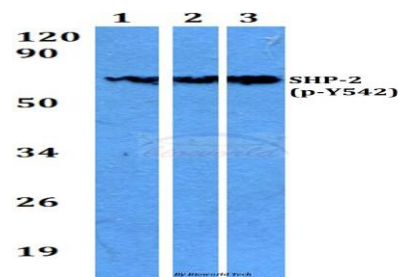
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

p-SHP-2 (Y542) polyclonal antibody detects endogenous levels of SHP-2 protein only when phosphorylated at Tyr542.

### DATA:



Western blot (WB) analysis of p-SHP-2 (Y542) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of p-SHP-2 (Y542) pAb in paraffin-embedded human breast cancer tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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