
SHP2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253651

Unit: 0.1 mg

Description:

Src homology-2 domain containing protein (SHP2) is a member of the protein tyrosine phosphatase (PTP) family, a protein family that contains signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. SHP2 contains two tandem Src homology-2 (SH2) domains, which function as phosphotyrosine binding domains either directly or through scaffolding intermediates such as the insulin-receptor substrate 1 (IRS-1). These SH2 domains mediate the interaction of SHP2 with its substrates, allowing SHP2 to dephosphorylate proteins that inhibit signaling kinases such as ERK1 and AKT. SHP2 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. Recent experiments have shown SHP2 plays a significant role in hepatoprotection and liver regeneration.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: SHP2 ; Tyrosine-protein phosphatase non-receptor type 11; PTP-2C

Accession No.: NP_002825

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human SHP2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.