

Recombinant

DGRmAb®

**Phospho-SHP2 (Tyr542) (DGR14462) Rabbit mAb (PBS Only)**

db13976-PBS

Package : 100µg

**Product Name** : Phospho-SHP2 (Tyr542) (DGR14462) Rabbit mAb (PBS Only)**Cat.No.:** db13976-PBS**Synonyms** : CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3**Application** : WB, ICC/IF, IP**Reactivity** : Human, Mouse**Host species** : Rabbit**Background**

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. [provided by RefSeq, Aug 2016]

**Immunogen**

A synthetic phosphopeptide corresponding to residues surrounding Tyr542 of human SHP2

**Gene ID**

5781

**Swiss Prot**

Q06124

**Synonyms**

CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3

**Reactivity**

Human, Mouse

**Application**

WB, ICC/IF, IP

**Recommended dilution**WB: 1:1000  
ICC/IF: 1:100-1:200  
IP: 1:20-1:50**Calculated MW**

68 kDa

**Observed MW**

68 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

Clonality No.	DGR14462
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.