

Recombinant

DGRmAb®

**SHP2 (DGR11556) Rabbit mAb**

db11960

Package : 10µL 20µL 50µL 100µL

**Product Name** : SHP2 (DGR11556) Rabbit mAb**Cat.No.:** db11960**Synonyms** : CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**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 peptide 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

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:100

ICC/IF: 1:50

FC: 1:20-1:50

IP: 1:20-1:50

**Calculated MW**

68 kDa

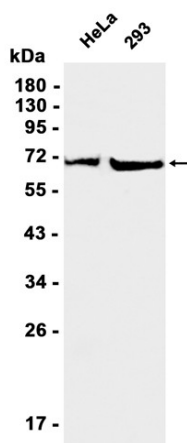
**Observed MW**

68 kDa

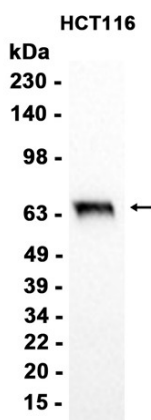
**Host species**

Rabbit

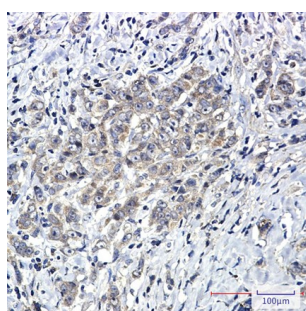
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR11556
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



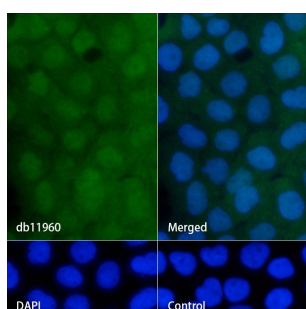
Western blot analysis of extracts from HeLa, 293 cells using db11960 at 1:1000.



Western blot analysis of extracts from HCT116 cells using db11960 at 1:2000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db11960 antibody.



Immunofluorescence analysis of A431 cells labelling SHP2 with db11960.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11960 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.

