Recombinant DGRmAb®

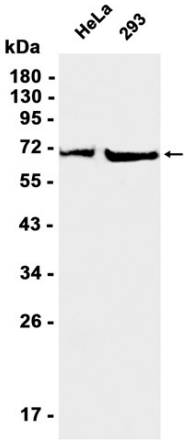
SHP2 (DGR11556) Rabbit mAb (PBS Only)

db11960-PBS **Package : 10μg 100μg**

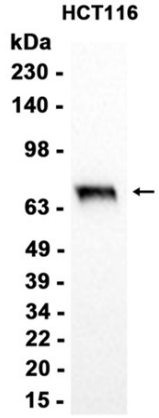
Product Name : SHP2 (DGR11556) Rabbit mAb (PBS Only)
Cat.No.: db11960-PBS
Synonyms : CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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
Calculated MW	68 kDa
Observed MW	68 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11556
Isotype	IgG

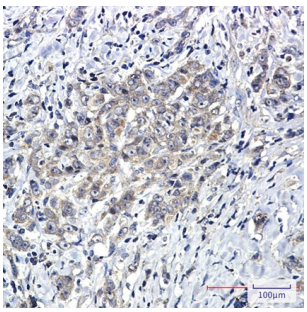
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



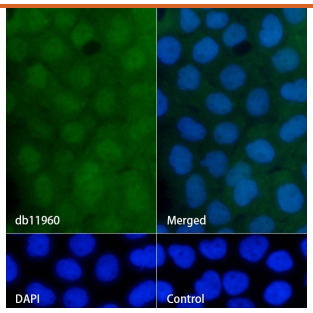
Western blot analysis of extracts from HeLa, 293 cells using db11960 at 1:1000.



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.