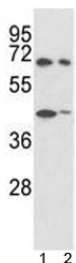


SHP2 Antibody / PTPN11 (F53772)

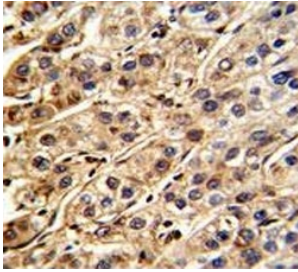
Catalog No.	Formulation	Size
F53772-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53772-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

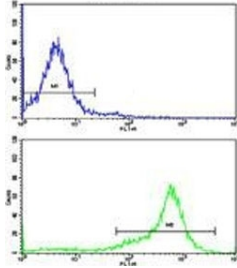
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Chicken, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q06124
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This SHP2 antibody is available for research use only.



Western blot analysis of SHP2 antibody and 1) 293, 2) K562 lysate. Predicted molecular weight: ~68kDa.



IHC analysis of FFPE human hepatocarcinoma stained with SHP2 antibody



Flow cytometric analysis of 293 cells using SHP2 antibody (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

SHP2, also known as PTPN11, 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 the gene are a cause of Noonan syndrome as well as acute myeloid leukemia.

Application Notes

Titration of the SHP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 526-551 from the human protein was used as the immunogen for this SHP2 antibody.

Storage

Aliquot the SHP2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.