

Anti-SHP2 Rabbit pAb



WL03546

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-SHP2 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
	IF	1:500	
Cellular localization	Cytoplasm, Nucleus		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	SHP-2(PTPN11) is a ubiquitously expressed, nonreceptor protein tyrosine phosphatase (PTP). PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. SHP-2 becomes phosphorylated at Tyr542 and Tyr580 in its carboxy-terminus in response to growth factor receptor activation. These phosphorylation events are thought to relieve basal inhibition and stimulate SHP-2 tyrosine phosphatase activity. Mutations in the corresponding gene result in a pair of clinically similar disorders (Noonan syndrome and LEOPARD syndrome) that may result from abnormal MAPK.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SHP2.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

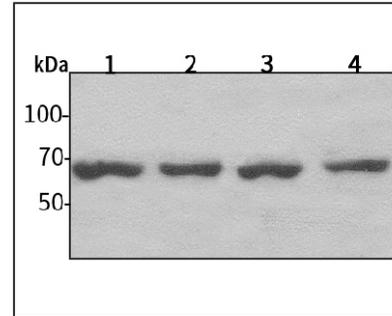
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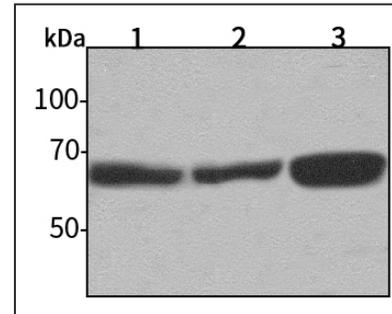
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Product Images



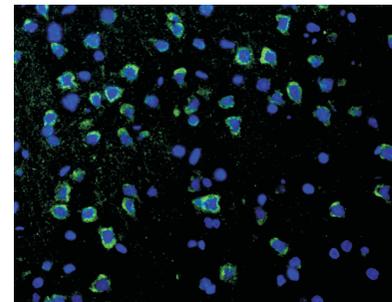
Western blot-Anti-SHP2 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human HeLa cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human SGC-7901 cell lysate
 All lanes: Anti-SHP2 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 68 kDa
 Observed band size: 68 kDa



Western blot-Anti-SHP2 pAb

Lane 1: Mouse brain tissue lysate
 Lane 2: Mouse kidney tissue lysate
 Lane 3: Rat liver tissue lysate
 All lanes: Anti-SHP2 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 68 kDa
 Observed band size: 68 kDa



Immunofluorescence-Anti-SHP2 pAb

Immunofluorescence analysis of paraffin-embedded rat brain using anti-SHP2 Rabbit Antibody at 1:500 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0