G-Biosciences Image not found or type unknown

Immunotag™ Phospho-SHP-2 (Tyr542) Antibody

Antibody Specification

Catalog No.	ITA1181
Product Description	Immunotag™ Phospho-SHP-2 (Tyr542) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-SHP-2 (Tyr542)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SHP-2 around the phosphorylation site of Tyrosine 542
Specificity	Phospho-SHP-2 (Tyr542) Antibody detects endogenous levels of SHP-2 only when phosphorylated at Tyrosine 542
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PTPN11
Accession No.	Q06124

Antibody Specification

Alternate Names	BPTP3; CFC; JMML; METCDS; MGC14433; NS1; OTTHUMP00000166107; OTTHUMP00000166108; Protein tyrosine phosphatase 2; Protein tyrosine phosphatase 2C; Protein tyrosine phosphatase non receptor type 11; Protein-tyrosine phosphatase 1D; Protein-tyrosine phosphatase 2C; PTN11_HUMAN; PTP-1D; PTP-2C; PTP1D; PTP2C; PTPN11; SAP2; SH-PTP2; SH-PTP3; SH2 domain containing protein tyrosine phosphatase 2; SHP 2; SHP-2; Shp2; SHPTP2; SHPTP3; Syp; Tyrosine-protein phosphatase non-receptor type 11;
Description	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway (PubMed:28074573). Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:28074573). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulatation of its RhoA binding activity. Dephosphorylates CDC73 (PubMed:26742426).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	70kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.