

ARG51791 anti-SHP1 phospho (Tyr536) antibody

Package: 100 μl, 50 μl Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SHP1 phospho (Tyr536)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	SHP1
Species	Human
Immunogen	Peptide sequence around phosphorylation site of tyrosine 536 (S-E-Y(p)-G-N) derived from Human SHP-1.
Conjugation	Un-conjugated
Alternate Names	HCP; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase SHP-1; SH-PTP1; PTP-1C; HPTP1C; HCPH; Tyrosine-protein phosphatase non-receptor type 6; SHP-1; EC 3.1.3.48; SHP1; SHP-1L; Protein-tyrosine phosphatase 1C

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:100
Application Note	* The dilutions indicate recomme should be determined by the scie	nded starting dilutions and the optimal dilutions or concentrations ntist.

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatogramphy using non- phosphopeptide.
Buffer	PBS (without Mg2+ and Ca2+, pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PTPN6
Gene Full Name	protein tyrosine phosphatase, non-receptor type 6
Background	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus.
Function	Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	68 kDa
PTM	Phosphorylated on tyrosine residues. Binding of KITLG/SCF to KIT increases tyrosine phosphorylation (By similarity). Phosphorylation at Tyr-564 enhances phosphatase activity.

Images



ARG51791 anti-SHP1 phospho (Tyr536) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51791 anti-SHP1 phospho (Tyr536) antibody (left) or the same antibody preincubated with blocking peptide (right).



ARG51791 anti-SHP1 phospho (Tyr536) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51791 anti-SHP1 phospho (Tyr536) antibody.