

Datasheet for ABIN6655980
anti-PTPN3 antibody (pSer459)



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Overview

Quantity:	100 µL
Target:	PTPN3
Binding Specificity:	pSer459
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PTPH1 Phospho S459 Antibody
Immunogen:	Anti-Phospho-Ser459 PTPH1 Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding the phospho-Ser459 of human PTPH1 conjugated to KLH.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-Phospho-Ser459 PTPH1 Antibody is directed against PTPH1 protein phosphorylated at S459.
Purification:	The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities.
Sterility:	Sterile filtered

Target Details

Target:	PTPN3
Alternative Name:	PTPH1 (PTPN3 Products)
Background:	Synonyms: Tyrosine-protein phosphatase non-receptor type 3, Protein-tyrosine phosphatase H1, PTP-H1 Background: Protein-tyrosine Phosphatase H1 (PTPH1) has recently been identified as a specific p38γ MAPK phosphatase which is mediated through PDZ interaction. Ras has been demonstrated to increase both p38 gamma and PTPH1 protein expression, and there is a coupling of increased p38 gamma and PTPH1 protein expression in primary colon cancer tissues. Phosphorylation of PTPH1 at Ser459 leads to PTPH1 stabilization, which plays an important role in Ras oncogenesis and stress response. Additionally, phosphorylation of PTPH1 Ser459 reveals a novel mechanism by which MAPK signals through PTPH1 to regulate cellular response. PTPH1 pS459 Antibody is ideal for researchers interested in cancer research. Gene Name: PTPH1
Gene ID:	5774
NCBI Accession:	NP_002820
UniProt:	P26045

Application Details

Application Notes:	ELISA_Dilution: 1:10,000 Western_Blot_Dilution: 1:1000
Comment:	Anti-Phospho-Ser459 PTPH1 Antibody is tested for Western Blots and is specific for the ~104 kDa PTPH1 protein phosphorylated at Ser459. Immunolabeling is blocked by preadsorption of the antibody with the phosphopeptide used as antigen but not by the corresponding dephosphopeptide. Immunolabeling is also completely eliminated by treatment with lambda-phosphatase. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5 Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol Preservative: None

Handling

Preservative:	Without preservative
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Storage:	-20 °C
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Storage Comment:	Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
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Expiry Date:	12 months
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