

Datasheet for ABIN5542090
anti-PTPN3 antibody (pSer459)



[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	PTPN3
Binding Specificity:	pSer459
Reactivity:	Human, Mouse, Cow, Dog, Primate, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser459 of human PTPH1
Isotype:	Ig Fraction
Specificity:	Specific for ~104k PTPH1 protein phosphorylated at Ser 459. 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 λ phosphatase.
Purification:	Affinity purification via sequential chromatography on phospho- and dephosphopeptide affinity columns

Target Details

Target:	PTPN3
Alternative Name:	ptpn3,ptph1 (PTPN3 Products)
Background:	Protein-tyrosine Phosphatase H1 (PTPH1) has recently been identified as a specific p38 γ MAPK phosphatase which is mediated through PDZ interaction (Hou et al., 2010). Ras has been demonstrated to increase both p38 γ and PTPH1 protein expression, and there is a coupling of increased p38 γ and PTPH1 protein expression in primary colon cancer tissues (Hou et al., 2010). Phosphorylation of PTPH1 at Ser459 leads to PTPH1 stabilization, which plays an important role in Ras oncogenesis and stress response (Hou et al., 2012). Additionally, phosphorylation of PTPH1 Ser459 reveals a novel mechanism by which MAPK signals through PTPH1 to regulate cellular response (Hou et al., 2012).
UniProt:	P26045

Application Details

Application Notes:	Western blot: 1/1000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 μ g per ml BSA and 50 % glycerol
Storage:	4 °C,-20 °C
Storage Comment:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months