

# Anti-PTPH1 (Ser459) Antibody

Our Anti-PTPH1 (Ser459) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is Catalog # AN1531

## Specification

# Anti-PTPH1 (Ser459) Antibody - Product Information

Primary Accession	<u>P26045</u>
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Calculated MW	103990

# Anti-PTPH1 (Ser459) Antibody - Additional Information

Gene ID

5774

Other Names

cytoskeletal-associated protein tyrosine phosphatase antibody, protein tyrosine phosphatase H1 antibody, protein tyrosine phosphatase non-receptor type 3 antibody, Protein-tyrosine phosphatase H1 antibody, PTN3\_HUMAN antibody, PTP-H1 antibody, PTPH1 antibody, PTPN3 antibody, Tyrosine-protein phosphatase non-receptor type 3 antibody

### Target/Specificity

Protein-tyrosine Phosphatase H1 (PTPH1) has recently been identified as a specific p38γ MAPK phosphatase which is mediated through PDZ interaction (Hou et al., 2010). Ras has been demonstrated to increase both p38γ and PTPH1 protein expression, and there is a coupling of increased p38γ and PTPH1 protein expression in primary colon cancer tissues (Hou et al., 2010). Phosphorylation of PTPH1 at Ser-459 leads to PTPH1 stabilization, which plays an important role in Ras oncogenesis and stress response (Hou et al., 2012). Additionally, phosphorylation of PTPH1 Ser-459 reveals a novel mechanism by which MAPK signals through PTPH1 to regulate cellular response (Hou et al., 2012).

### Format

Antigen Affinity Purified from Pooled Serum

## Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### Precautions

Anti-PTPH1 (Ser459) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

# Anti-PTPH1 (Ser459) Antibody - Protocols



Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# Anti-PTPH1 (Ser459) Antibody - Images



Western blot of mouse testicular lysate showing specific immunolabeling of the ~104 kDa PTPH1 phosphorylated at Ser459 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by lysate treatment with lambda phosphatase ( $\lambda$ -Ptase , 400 units/100ul lysate for 30 minutes, RT).

# Anti-PTPH1 (Ser459) Antibody - Background

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