bs-9187R **[Primary Antibody]**

PTPH1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5774 **SWISS:** P26045

Target: PTPH1

Immunogen: KLH conjugated synthetic peptide derived from human PTPH1/PTPN3: 11-110/913.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The phosphorylation of proteins at tyrosine residues has long been recognized as an important regulatory component of signal transduction. This is a reversible process, involving both enzymes that phosphorylate proteins on tyrosine residues as well as a rapidly expanding family of protein tyrosine phosphatases. These latter enzymes bear little resemblance to either the protein serine and protein threonine phosphatases or to the acid and alkaline phosphatases. In most tissues, the major PTPase is a vanadate- and molybdate-sensitive protein. PTP-H1 shares homology with the cytoskeletal-associated proteins band 4.1, ezrin, and talin and has been shown to contain a PDZ and band 4.1 domain. These domains are responsible for targeting proteins to the cytoskeleton-membrane interface, as well as mediating protein-protein interactions, recognizing C-terminal valine residues and binding to other PDZ domains. Overexpression of PTP-H1 may reverse transformation induced by oncogenic protein-tyrosine kinases, such as the members of the src family.

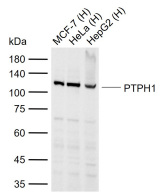
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Dog, Horse)

Predicted MW.: 104 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Lane 3: Human HepG2 cell lysates Primary: Anti-PTPH1 (bs-9187R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 104 kDa Observed band size: 120 kDa

SELECTED CITATIONS

- **[IF=3.8]** Li Dongna. et al. Tongbian formula alleviates slow transit constipation by increasing intestinal butyric acid to activate the 5-HT signaling. SCI REP-UK. 2024 Aug;14(1):1-16 WB ;Rat. 39095450