Recombinant DGRmAb®

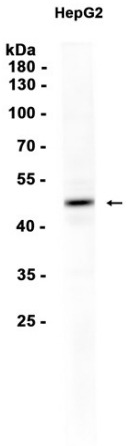
PTP1B (DGR15107) Rabbit mAb

db15142 **Package : 10μL 20μL 50μL 100μL**

Product Name : PTP1B (DGR15107) Rabbit mAb
Cat.No.: db15142
Synonyms : PTP1B
Application : WB
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene is the founding member of the protein tyrosine phosphatase (PTP) family, which was isolated and identified based on its enzymatic activity and amino acid sequence. PTPs catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP has been shown to act as a negative regulator of insulin signaling by dephosphorylating the phosphotyrosine residues of insulin receptor kinase. This PTP was also reported to dephosphorylate epidermal growth factor receptor kinase, as well as JAK2 and TYK2 kinases, which implicated the role of this PTP in cell growth control, and cell response to interferon stimulation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]
Immunogen	A synthetic peptide of human PTP1B
Gene ID	5770
Swiss Prot	P18031
Synonyms	PTP1B
Reactivity	Human
Application	WB
Recommended dilution	WB: 1:1000-1:5000
Calculated MW	50 kDa
Observed MW	50 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR15107
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2 cells using db15142 at 1:1000.