[Primary Antibody]

phospho-Insulin Receptor Beta (Tyr1185) Rabbit A N T | B pAb



400-901-9800

– DATASHEET ———		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow,
GenelD: 3643 SWISS: P06213		
Target: Insulin Receptor Be	eta (Tyr1185)	Chicken, Dog)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Insulin Receptor Beta around the phosphorylation site of Tyr1185: DI(p-Y)ET.		Predicted MW.: ^{68/152 kDa}
Purification: affinity purified by Protein A		Subcellular Location: ^{Cell} membrane
Concentration: 1mg/ml		
Glycerol. Glycerol. Shipped at 4°C. Sto freeze/thaw cycles. Background: The human insulin	with 1% BSA, 0.02% Proclin300 and 50% re at -20°C for one year. Avoid repeated receptor is a heterotetrameric membrane	
glycoprotein consis alpha-beta configu single transmembr kDa) is completely receptor tyrosine k transmembrane re- enzymatic activity, phosphate of ATP t are essential comp affect cell prolifera Included in this larg the receptors for gr fibroblast growth fa Receptor activation facilitates receptor specific tyrosine re- interaction of insul activates the protei then undergoes an kinase activity. Thr become phosphory receptor activation interact with SH2 d	sting of disulfide linked subunits in a beta-alpha ration. The beta subunit (95 kDa) possesses a ane domain, whereas the alpha subunit (135 extracellular. The insulin receptor exhibits inase (RTK) activity. RTKs are single pass ceptors that possess intrinsic cytoplasmic catalyzing the transfer of the gamma o tyrosine residues in protein substrates. RTKs onents of signal transduction pathways that tion, differentiation, migration and metabolism. ge protein family are the insulin receptor and owth factors such as epidermal growth factor, actor and vascular endothelial growth factor, actor and vascular endothelial growth factor, in cocurs through ligand binding, which dimerization and autophosphorylation of sidues in the cytoplasmic portion. The in with the alpha subunit of the insulin receptor in tyrosine kinase of the beta subunit, which autophosphorylation that increases its tyrosine ee adapter proteins, IRS1, IRS2 and Shc, vlated on tyrosine residues following insulin . These three phosphorylated proteins then omain containing signaling proteins.	

- SELECTED CITATIONS -

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- [IF=2.57] Tsuchiya et al. Oleic acid stimulates glucose uptake into adipocytes by enhancing insulin receptor signaling. (2014) J.Pharmacol.Sci. 126:337-43 WB ;Mouse. 25391857