[Primary Antibody]

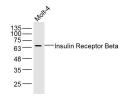
Insulin Receptor Beta Rabbit pAb



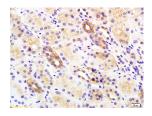
www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

– DATASHEET –		400-901-9800
Host: Rat	bit Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Pol	yclonal	IHC-P (1:100-500) IHC-F (1:100-500)
GenelD: 364	3 SWISS: P06213	IF (1:100-500)
	ılin Receptor Beta	Flow-Cyt (0.2µg/Test ICC/IF (1:100)
	ł conjugated synthetic peptide derived from humar eptor Beta: 1001-1100/1382.	n Insulin Reactivity: Human (predicted: Mo
Purification: affi	nity purified by Protein A	Rat)
Concentration: 1m	g/ml	
Gly Shi free Background: The gly alp sing kDa reco trar enz pho are affe Incl the fibr Reco faci spe inte acti	IM TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and cerol. pped at 4°C. Store at -20°C for one year. Avoid repea- eze/thaw cycles. thuman insulin receptor is a heterotetrameric mem- coprotein consisting of disulfide linked subunits in a ha-beta configuration. The beta subunit (95 kDa) po- gle transmembrane domain, whereas the alpha sub- i) is completely extracellular. The insulin receptor e- eptor tyrosine kinase (RTK) activity. RTKs are single asmembrane receptors that possess intrinsic cytop ymatic activity, catalyzing the transfer of the gamm osphate of ATP to tyrosine residues in protein subst essential components of signal transduction pathw oct cell proliferation, differentiation, migration and uded in this large protein family are the insulin rece- receptors for growth factors such as epidermal grow eptor activation occurs through ligand binding, wh litates receptor dimerization and autophosphoryla cific tyrosine residues in the cytoplasmic portion. Ter- eraction of insulin with the alpha subunit of the insu- vates the protein tyrosine kinase of the beta subun n undergoes an autophosphorylation that increase ase activity. Three adapter proteins, IRS1, IRS2 and	MW.: ^{68/152 kDa ated brane abeta-alpha- ossesses a ounit (135 exhibits e pass lasmic na rates. RTKs ways that metabolism. eptor and wwth factor, r/th factor, r/th factor, rich lition of he Jlin receptor sits tyrosine}

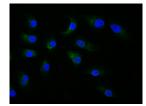
- VALIDATION IMAGES



Sample:Molt-4 Cell (Human) Lysate at 40 ug Primary: Anti- Insulin Receptor Beta (bs-0290R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD

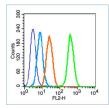


Tissue/cell: human kidney carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Insulin Receptor Beta Polyclonal Antibody, Unconjugated(bs-0290R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

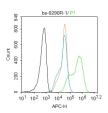


HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Insulin Receptor Beta) polyclonal Antibody, Unconjugated (bs-0290R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

st) Mouse,



Blank control (blue line): HL60(blue). Primary Antibody (green line): Rabbit Anti-Insulin Receptor alpha antibody (bs-0290R) Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: $1\mu g$ /test. Protocol The cells were fixed with 70% ethanol Overnight at 4°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block nonspecific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:Molt4. Primary Antibody (green line): Rabbit Anti-Insulin Receptor Beta antibody (bs-0290R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=3.078] Yoshikatsu Saitoh. et al. Improvement of hepatocyte engraftment by co transplantation with pancreatic islets in hepatocyte transplantation. 2021 Jan 23 IHC ;Rat. 33484496
- [IF=0] Boshra, Vivian, and Wagdi Elkashef. "Renal Insulin Sensitizing Effect of Exenatide in a High-fat Diet Obesity Rat Model." British Journal of Medicine & Medical Research (2017). IHC ;="Rat". doi:10.9734/BJMMR/2017/32349