

Insulin Receptor Ab

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| Cat.#: AF6956 | Concn.: ~1mg/ml | Mol.Wt.: |
| Size: | Source: Rabbit | Clonality: Polyclonal |
| Application: | ELISA(peptide) 1:20000-1:40000 *The optimal dilutions should be determined by the end user. | |
| Reactivity: | Human | |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. | |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). | |
| Immunogen: | A synthesized peptide derived from human IR. | |
| Uniprot: | P06213 | |
| Description: | The human insulin receptor is a heterotetrameric membrane glycoprotein consisting of disulfide linked subunits in a beta-alpha-alpha-beta configuration. The beta subunit (95 kDa) possesses a single transmembrane domain, whereas the alpha subunit (135 kDa) is completely extracellular. The insulin receptor exhibits receptor tyrosine kinase (RTK) activity. RTKs are single pass transmembrane receptors that possess intrinsic cytoplasmic enzymatic activity, catalyzing the transfer of the gamma phosphate of ATP to tyrosine residues in protein substrates. RTKs are essential components of signal transduction pathways that affect cell proliferation, differentiation, migration and metabolism. | |

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