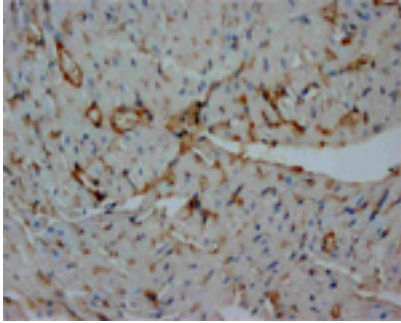


Rabbit polyclonal antibody to human Insulin receptor subunit alpha (59-75): Affinity purified

| | |
|--------------------------|--|
| Catalogue No.: | R-1124-100 |
| Description: | THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. The Insulin receptor binds insulin and has a tyrosine-protein kinase activity. The receptor is a tetramer of 2 alpha and 2 beta subunits linked by disulfide bonds. The alpha subunit (135 kDa) is extracellular and contributes to the formation of the ligand-binding domain whereas the beta subunit (95 kDa) contains the kinase domain and a transmembrane domain. At least two isoforms of the Insulin receptor are produced by alternative splicing. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | A synthetic peptide (HLQILLMFKTRPEDFRD) corresponding to a region (59-75) from human Insulin receptor (isoform Long). To enhance the immunological response, this peptide was coupled to carrier protein BSA. |
| Other Names: | IR; EC 2.7.10.1; CD220; INSR; |
| Accession: | P06213 INSR_HUMAN; |
| Produced in: | Rabbit |
| Purity: | Affinity purified on antigen column |
| Applications: | Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human Insulin receptor (isoform Long) has a predicted length of 1382 amino acids and MW of 156 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Boiling the paraffin sections in 10mM citrate buffer, pH 6.0 for 20 minutes is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Specificity: | The specificity of this antibody has been confirmed by WB and IHC against the antigen. |
| Cross-reactivity: | Human; dog; rat; predicted to react with mouse due to sequence homology; |
| Form: | Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ |
| Reconstitution: | Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material. |
| Storage: | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability for up to 6 months. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase unopened |

FOR RESEARCH USE ONLY

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Immunohistochemical staining of a paraffin-embedded rat cardiac muscle tissue section with rabbit polyclonal antibody to human Insulin receptor subunit alpha antibody (1-2 ug/ml). Secondary biotinylated goat anti-rabbit IgG antibody (10 ug/ml).

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