

## Basic Information

|                    |   |
|--------------------|---|
| Product Name       | Anti-INSR Antibody  |
| Gene Name          | INSR  |
| Source             | Rabbit  |
| Isotype            | IgG   |
| Species Reactivity | human, mouse, rat   |
| Tested Application | WB, ELISA   |
| Contents           | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.      |
| Immunogen          | E.coli-derived human Insulin Receptor/INSR recombinant protein (Position: E168-N621). |
| concentration      | 500 ug/ml   |
| Purification       | Immunogen affinity purified.  |
| Observed MW        | 155KD   |
| Dilution Ratios    | Western blot(WB):1:500-2000<br>ELISA: 1:100-1000                                      |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

INSR(INSULIN RECEPTOR) is a tetramer of 2 alpha and 2 beta subunits that are coded by a single gene and are joined by disulfide bonds, a mechanism parallel to that of its ligand, insulin. It belongs to the large class of tyrosine kinase receptors. The insulin receptor gene is mapped to 19p13.2. The insulin receptor mediates their activity by causing the addition of a phosphate group to particular tyrosines on certain proteins within a cell. The INSR gene spans more than 120 kb and has 22 exons. Functional studies of the INSR SNPs show no effect on mRNA levels or splicing in peripheral blood leukocytes or on binding of insulin to mononuclear cells.

## Reference

Anti-INSR Antibody被引用在1文献中。

## Selected Validation Data

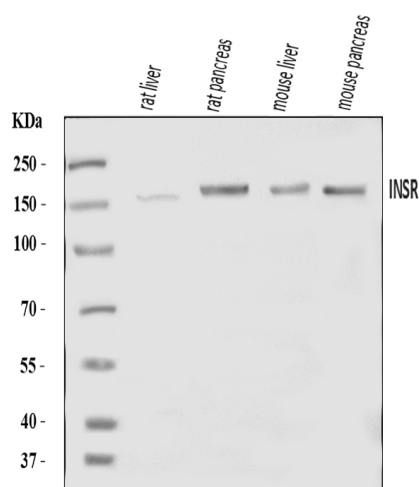


Figure 1. Western blot analysis of anti- INSR Antibody (A00447-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat liver tissue lysates,

Lane 2: rat pancreas tissue lysates,

Lane 3: mouse liver tissue lysates,

Lane 4: mouse pancreas tissue lysates.

Use rabbit anti- INSR 1:1000, probed with a goat anti-rabbit IgG- HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for INSR at approximately 156KD. The expected band size for INSR is at 156KD.