

**• Rabbit Anti-Insulin Receptor Alpha Polyclonal Antibody**

Primary Antibodies

**Background:**

Insulin receptor binds insulin and has a tyrosine-protein kinase activity. It also has catalytic activity: ATP + a protein tyrosine = ADP + proteintyrosine phosphate. Tetramer of 2 alpha and 2 beta chains linked by disulfidebonds. The alpha chains contribute to the formation of the ligand-binding domain, while the beta chains carry the kinase domain. Interacts with SORBS1 but dissociates from it following insulin stimulation. [subcellular location] Type I membrane protein. Belongs to the Tyr protein kinase family. Insulin receptor subfamily.

**Source/Purification:**

KLH conjugated synthetic peptide derived from human Insulin Receptor Alpha. Was purified by Protein A and peptide affinity chromatography.

**Storage:** Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

**Reconstitution:**

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

**Reactivities:**

Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep, Guinea Pig.

**Application:**

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 80kDa

**Preservatives:** 10ug/uL BSA and 0.1% NaN<sub>3</sub>.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.