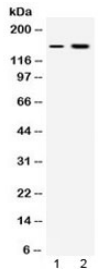
Insulin Receptor Antibody / INSR (R32540)

Catalog No.	Formulation	Size
R32540	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P06213
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Insulin Receptor antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) human HepG2 lysate with Insulin Receptor antibody at 0.5ug/ml. Predicted/observed molecular weight: ~156 kDa.

Description

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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the Insulin Receptor antibody to be titrated for optimal performance.

Immunogen

Amino acids 38-76 (MDIRNNLTRLHELENCSVIEGHLQILLMFKTRPEDFRDL) from the human protein were used as the immunogen for the Insulin Receptor antibody.

Storage

After reconstitution, the Insulin Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.