

# INSR/IGF1R Rabbit mAb

Catalog No.: A21984 **Recombinant**

## Basic Information

### Observed MW

97kDa

### Calculated MW

156kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC54074

## Background

This gene encodes a member of the receptor tyrosine kinase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor. Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and storage of carbohydrates, lipids and protein. Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

WB 1:1000 - 1:5000

## Immunogen Information

### Gene ID

3643/ 3480

### Swiss Prot

P06213/P08069

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1100-1200 of human INSR/IGF1R. (NP\_000199.2).

### Synonyms

HHF5; CD220; IGFR; CD221; IGFIR; JTK13; INSR/IGF1R

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

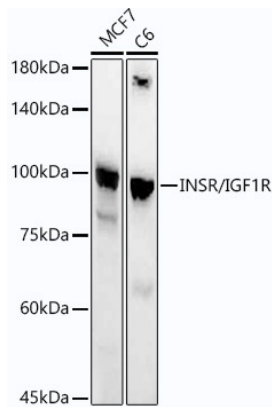
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

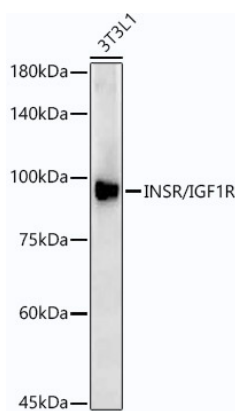
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates using INSR/IGF1R Rabbit mAb (A21984) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



Western blot analysis of lysates from 3T3L1 cells, using INSR/IGF1R Rabbit mAb (A21984) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.