

Product Data Sheet: Insulin receptor (INSR)

Cat. No: AB-83500

Conjugate: Unconjugated

Size: 100 ug
Clone: POLY
Concentration: 1mg/ml

Host: Rb Isotype: IgG

Reactivity: Hu, Ms, Rt

Applications: Western Blot: 1:500 – 1:1000

Immunohistochemistry: 1:50-1:200.

Molecular Weight: Calculated MW: 155kDa/156kDa Observed MW: 156kDa

Purification: Aff. Pur.

Synonyms: INSR; CD220; HHF5; insulin receptor

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

Background: 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

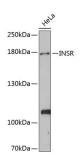
results in multiple transcript variants.

Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: At $+4^{\circ}$ C for short term. For longer term store at -20°C, avoid repeat freeze-thaw

cycles.



Western blot analysis of extracts of HeLa cells, using INSR antibody at 1:1000

dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in

TBST.

Detection: ECL West Femto Plus Kit .



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Exposure time: 120s.

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