

Insulin R(Phospho Tyr1361) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10409
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IR around the phosphorylation site of Tyr1361. AA range:1331-1380
Mol wt	156307
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Insulin receptor
Synonyms	Insulin receptor; INSR; Insulin receptor; IR; CD antigen CD220

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 Dilution

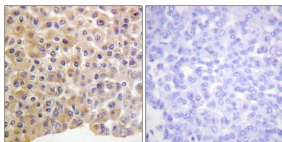
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

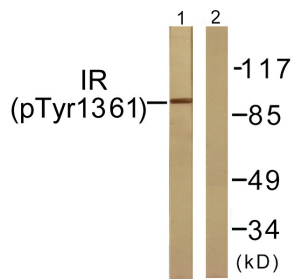
ELISA: 1: 10000

Not yet tested in other applications.

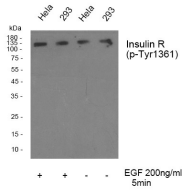
Images



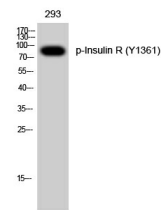
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using IR (Phospho-Tyr1361) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of Insulin R (phospho Tyr1361) Polyclonal Antibody, using HeLa, 293 cell treated or untreated with EGF 200ng/ml 30', 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1hour.



Western Blot analysis of 293 cells using Phospho-Insulin R (Y1361) Polyclonal Antibody



Western blot analysis of lysates from 293 cells treated with Heat shock, using IR (Phospho-Tyr1361) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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