

IR (Phospho-Tyr1355) Antibody

Catalog No: #11939

Package Size: #11939-1 50ul #11939-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

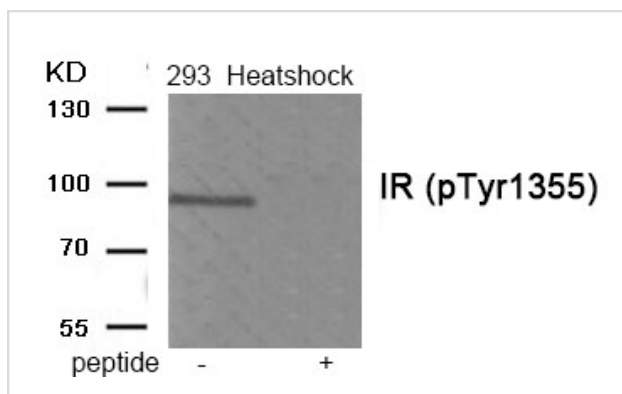
Description

Product Name	IR (Phospho-Tyr1355) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of IR only when phosphorylated at tyrosine 1355.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1355 (R-S-Y(p)-E-E) derived from Human IR.
Target Name	IR
Modification	Phospho
Other Names	CD220 antigen; IR; insulin receptor; kinase InsR;
Accession No.	Swiss-Prot#: P06213; NCBI Gene#: 3643; NCBI Protein#: NP_000199.2
Uniprot	P06213
GeneID	3643;
SDS-PAGE MW	95kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 293 cells treated with Heatshock using Phospho-IR (Tyr1355) antibody #11939. The lane on the right is treated with the antigen-specific peptide.

Background

Receptor tyrosine kinase which mediates the pleiotropic actions of insulin. Binding of insulin leads to phosphorylation of several intracellular substrates, including, insulin receptor substrates (IRS1, 2, 3, 4), SHC, GAB1, CBL and other signaling intermediates. Each of these phosphorylated proteins serve as docking proteins for other signaling proteins that contain Src-homology-2 domains (SH2 domain) that specifically recognize different phosphotyrosines residues, including the p85 regulatory subunit of PI3K and SHP2.

Tennagels N, et al. (2001) *Biochem Biophys Res Commun* 282, 387-93

Tennagels N, Bergschneider E, Al-Hasani H, Klein HW (2000) *FEBS Lett* 479, 67-71

Noelle V, Tennagels N, Klein HW (2000) *Biochemistry* 39, 7170-7

Note: This product is for in vitro research use only