Insulin Receptor beta (phospho Tyr960) antibody

Cat. No. GTX25678

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Human, Mouse, Rat

References (3)
Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	1:100-1:500

Not tested in other applications.

Calculated MW	156 kDa. (Note)
Product Note	The full-length Insulin Receptor includes the 27 aa signal peptide that is cleaved during maturation. The Tyr960 of mature Insulin Receptor(P06213-2) is equivalent toTyr972 of mature Insulin Receptor (P06213-1).

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA, 50% Glycerol
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic phosphopeptide derived from the region of the human Insulin Receptor that contains tyrosine 960.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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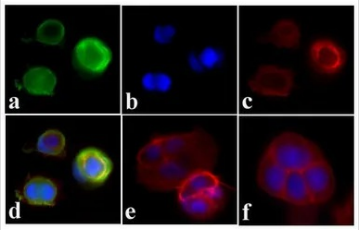
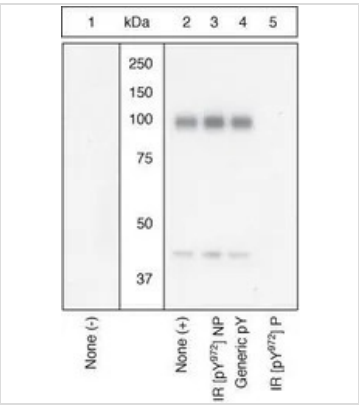
DATA IMAGES



GTX25678 ICC/IF Image

ICC/IF analysis of MCF-7 cells with insulin treatment (100nM for 5 min) using GTX25678 Insulin Receptor beta (phospho Tyr960) antibody. Panel e is untreated cell with no signal. Panel f represents control cells with no primary antibody to assess background.
Green : Primary antibody
Blue : Nuclei
Red : Actin
Fixation : 4% paraformaldehyde
Permeabilization : 0.25% Triton X-100 for 10 minutes



GTX25678 WB Image

WB (peptide competition) analysis of CHO-T cells transfected with an insulin receptor-containing vector and stimulated with 50 nM insulin for 5 minutes (Lane 2-5) using GTX25678 Insulin Receptor beta (phospho Tyr960) antibody prior incubated with the non-phosphorylated peptide corresponding to the phosphopeptide immunogen (Lane 3), a generic phosphotyrosine-containing peptide (Lane 4), or the phosphopeptide immunogen (Lane 5). The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.

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