# IGF1R beta (phospho Tyr1135 / Tyr1136) / Insulin Receptor beta (phospho Tyr1150 / Tyr1151) antibody

## Cat. No. GTX25680

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|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, IHC-P, FCM, IHC |
| **Reactivity** | Human, Mouse, Rat |

References ( 1 )

Review ( 1 )

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 |
| IHC-P | Assay dependent |
| FCM | 1:20 |
| IHC | Assay dependent |

Not tested in other applications.

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| **Calculated MW** | 156 kDa. ( Note ) |
| **Product Note** | This antibody is raised against a synthetic peptide around phosphorylated Tyr1150 / Tyr1151 of Insulin Receptor (signal peptide cleaved form of P06213-2), which is identical to the sequence around phosphorylated Tyr1135 / Tyr1136 of IGF1R (signal peptide cleaved form). Although exhibiting a preference for IR/IGF-1R, this antibody has been shown by both peptide competition and protein blotting to react with other dual phosphotyrosine motifs from proteins such as c-Met and Shc. |

## Properties

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| **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.) |

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



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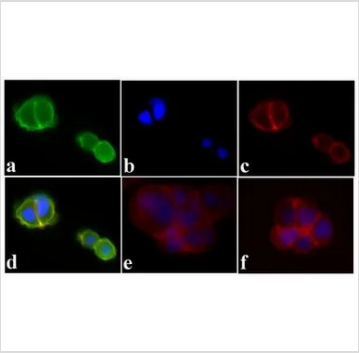
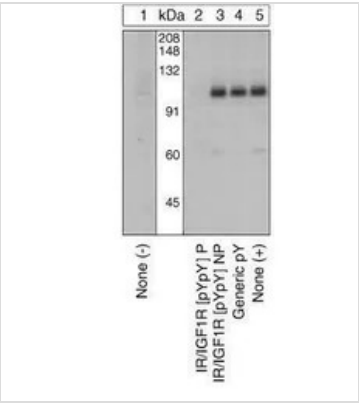
| | |
|---|---|
| **Immunogen** | Synthetic phosphopeptide derived from the region of Insulin Receptor that contains tyrosines 1150 and 1151. The corresponding residues in the IGF1R are 1135 and 1136. |
| **Purification** | Purified by antigen-affinity chromatography |
| **Conjugation** | Unconjugated |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>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. |

## DATA IMAGES




**GTX25680 ICC/IF Image**

ICC/IF analysis of MCF7 cells treated with insulin (100nM for 5 min) using GTX25680 IGF1R beta (phospho Tyr1135 / Tyr1136) / Insulin Receptor beta (phospho Tyr1150 / Tyr1151) 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




**GTX25680 WB Image**

WB (peptide competition) analysis of CHO-T cells over-expressing the human insulin receptor stimulated with 100 nM insulin for 10 min at 37ºC (Lane 2-5) using GTX25680 IGF1R beta (phospho Tyr1135 / Tyr1136) / Insulin Receptor beta (phospho Tyr1150 / Tyr1151) antibody prior incubated with the phosphopeptide immunogen (Lane 2), the non-phosphorylated peptide corresponding to the phosphopeptide immunogen (Lane 3), or a generic phosphotyrosine-containing peptide (Lane 4) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.

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