

## IGF-1R(Phospho-Tyr1165/Tyr1166) Antibody

Catalog No: #11088

Package Size: #11088-1 50ul #11088-2 100ul

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## Description

|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | IGF-1R(Phospho-Tyr1165/Tyr1166) Antibody                                                                                                                                                                                                                                                |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB IF                                                                                                                                                                                                                                                                                   |
| Species Reactivity    | Human;Mouse;Rat                                                                                                                                                                                                                                                                         |
| Specificity           | The antibody detects endogenous level of IGF-1R only when phosphorylated at tyrosine 1165/tyrosine1166.                                                                                                                                                                                 |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 1165/tyrosine 1166 (T-D-Y(p)-Y(p)-R-K) derived from Human IGF-1R .                                                                                                                                                             |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                            |
| Target Name           | IGF-1R                                                                                                                                                                                                                                                                                  |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| Other Names           | Insulin-like growth factor I receptor; CD221; IGF1R; kinase IGF1R;                                                                                                                                                                                                                      |
| Accession No.         | Swiss-Prot: P08069NCBI Protein: NP_000866.1                                                                                                                                                                                                                                             |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                 |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                                                                                                                               |

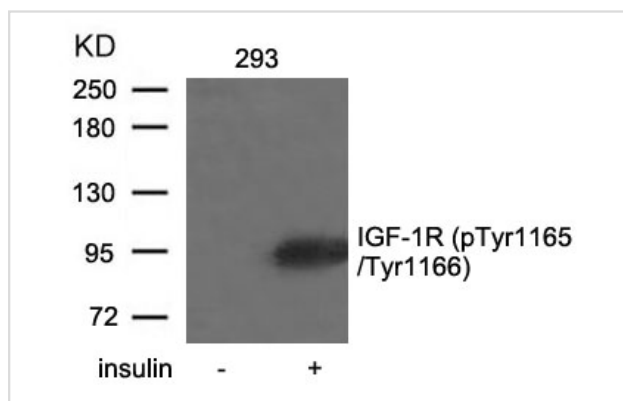
## Application Details

Predicted MW: 200 95 kd

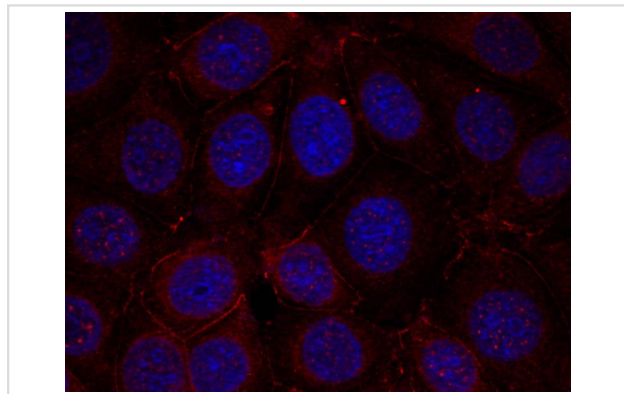
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

## Images



Western blot analysis of extracts from 293 cells untreated or treated with insulin using IGF-1R(Phospho-Tyr1165/Tyr1166) Antibody #11088.



Immunofluorescence staining of methanol-fixed MCF cells using IGF-1R(Phospho-Tyr1165/Tyr1166) Antibody #11088.

## Background

This receptor binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR, binds IGF1.

Li S, et al. (1994) J Biol Chem; 269(51): 32558-64.

## Published Papers

el at., Tanshinone IIA Attenuates Insulin Like Growth Factor 1 -Induced Cell Proliferation in PC12 Cells through the PI3K/Akt and MEK/ERK Pathways.In Int J Mol Sci. On 2018 Sep 12 by Wang H, Su X et al..PMID: 30213025, , (2018)

[PMID:30213025](#)

el at., Pristimerin attenuates cell proliferation of uveal melanoma cells by Inhibiting Insulin-like growth factor-1 receptor and its downstream pathways. In J Cell Mol Med on 2019 Nov by Xie X, Xie S, et al..PMID:31508890, , (2019)

[PMID:31508890](#)

el at., Glutamate Attenuates IGF-1 Receptor Tyrosine Phosphorylation in Mouse Brain: Possible Significance in Ischemic Brain Damage.In Neurosci Res on 2012 Dec by Chengming Sun, Qian Meng,et al..PMID:23085572, , (2012)

[PMID:23085572](#)

el at., H<sub>2</sub>O<sub>2</sub> Attenuates IGF-1R Tyrosine Phosphorylation and Its Survival Signaling Properties in Neuronal Cells via NR2B Containing NMDA Receptor.In Oncotarget on 2017 Jun 27 by Zhiwen Zeng, Dejun Wang,et al..PMID: 29029433, , (2017)

[PMID:29029433](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.