

IGF-1R(Ab-1165/1166) Antibody

Catalog No: #21081

Package Size: #21081-1 50ul #21081-2 100ul

Description

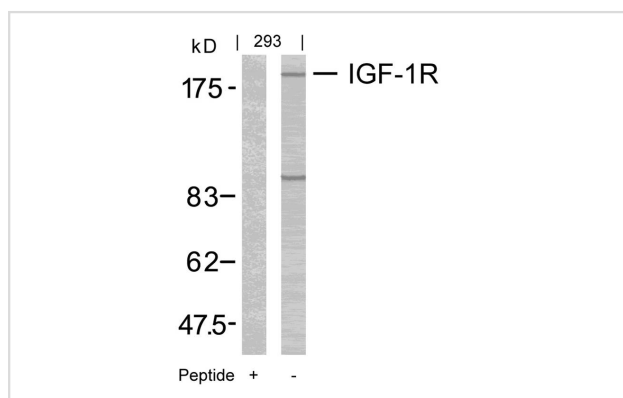
Product Name	IGF-1R(Ab-1165/1166) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total IGF-1R protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1163~1167/1164~1168 (T-D-Y-Y-R-K) derived from Human IGF-1R .
Conjugates	Unconjugated
Target Name	IGF-1R
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	Supplied at 1.0mg/mL 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 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

Images



Western blot analysis of extracts from 293 cells using IGF-1R(Ab-1165/1166) Antibody #21081 and the same antibody preincubated with blocking peptide.

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., The effects of induced type-I diabetes on developmental regulation of insulin & insulin like growth factor-1 (IGF-1) receptors in the cerebellum of rat neonates.In Metab Brain Dis on 2013 Sep by Haghiri H, Rezaee AA, et al..PMID:23397157, , (2013)

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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., H₂O₂ 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.