IGF-1R(Ab-1161) Antibody

Catalog No: #21080

Package Size: #21080-1 50ul #21080-2 100ul #21080-4 25ul

Overview

Product Name	IGF-1R(Ab-1161) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	IGF-1R
Alternative Names	Insulin-like growth factor I receptor; CD221; IGF1R; kinase IGF1R;

Application Details

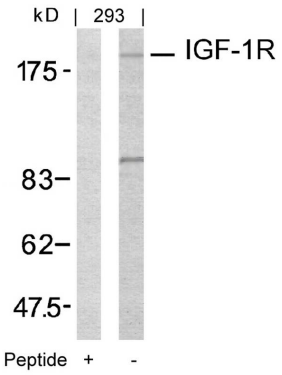
Predicted MW: 200 95 kd

Western blotting: 1:500~1:1000

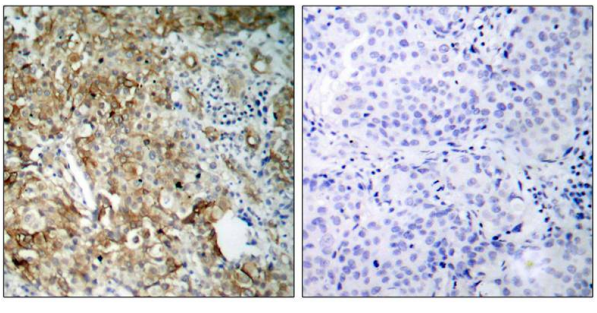
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

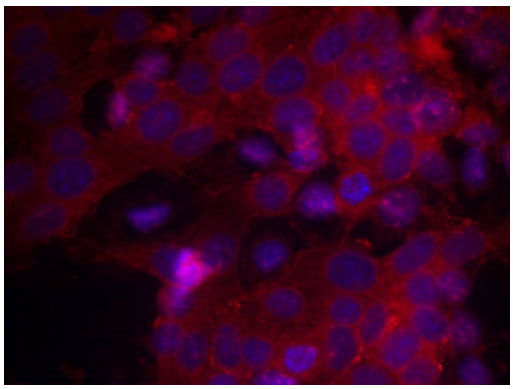
Images



Western blot analysis of extracts from 293 cells using IGF-1R(Ab-1161) Antibody #21080 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IGF-1R(Ab-1161) Antibody #21080(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using IGF-1R(Ab-1161) Antibody #21080.

Descriptions

Immunogen	Peptide sequence around aa.1159~1163 (D-I-Y-E-T) derived from Human IGF-1R .
Specificity	The antibody detects endogenous level of total IGF-1R protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: P08069NCBI Protein: NP_000866.1

Related Information

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).
Hernandez-Sanchez C, et al. (1995) J Biol Chem.

Published Papers

Hossein Haghir, Abd-Al-Rahim Rezaee, Hossein Nomani el at., Sexual Dimorphism in Expression of Insulin and Insulin-Like Growth Factor-I Receptors in Developing Rat Cerebellum., Cell Mol Neurobiol, 33:369B¨C377(2013)

PMID:23322319

TAKETSUGU YAMAMOTO, TAKASHI OSHIMA, KAZUE YOSHIHARA el at., Clinical significance of immunohistochemical expression of insulin-like growth factor-1 receptor and matrix metalloproteinase-7 in resected non-small cell lung cancer, EXPERIMENTAL AND THERAPEUTIC MEDICINE, 3(5):797-802.(2012)

PMID:22969971

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