

IGF-1R(Ab-1346) Antibody

Catalog No: #21303

Package Size: #21303-1 50ul #21303-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | IGF-1R(Ab-1346) 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 IHC |
| 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.1344~1348 (Q-P-Y-A-H) derived from Human IGF-1R . |
| 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 |
| Uniprot | P08069 |
| GeneID | 3480; |
| 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. |

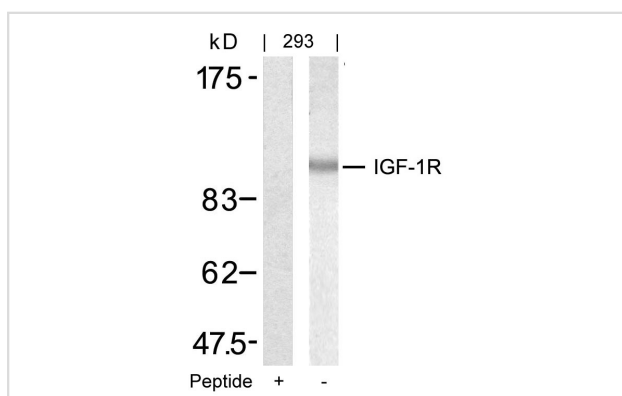
Application Details

Predicted MW: 200 95 kd

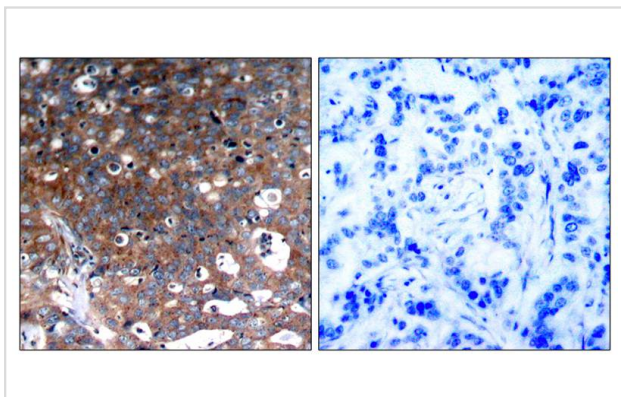
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells using IGF-1R(Ab-1346) Antibody #21303 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IGF-1R(Ab-1346) Antibody #21303(left) or the same antibody preincubated with blocking peptide(right).

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.

Adams, T.E. et al. (2000) *Cell. Mol. Life Sci.* 57, 1050-1093

Baserga, R. et al. (2000) *Oncogene* 19, 5574-5581

Scheidegger, K.J. et al. (2000) *J. Biol. Chem.* 275, 38921-38928.

O'Connor R, et al. *Mol Cell Biol* 1997 Jan; 17(1): 427-35

Note: This product is for in vitro research use only