

#21303

## IGF-1R (Ab-1346) Antibody

**Catalog:** #21303-1 50µl **Orders:** [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
#21303-2 100µl **Support:** [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)  
**Storage:** Store at -20°C/1 year **Web:** [www.signalwayantibody.com](http://www.signalwayantibody.com)



Application	Species Reactivity	Source	Molecular Wt.
WB IHC	Human Mouse Rat	Rabbit Polyconal Ab	200 95KD

**Description:** Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

**Specificity:** The antibody detects endogenous level of total IGF-1R protein.

**Immunogen:** Peptide sequence around aa.1344~1348 (Q-P-Y-A-H) derived from Human IGF-1R .

**Formulation:** Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Synonyms:** Insulin-like growth factor I receptor  
CD221 IGF1R kinase IGF1R

**Accession No.:** Swiss-Prot#: P08069 NCBI Gene#: 3480  
NCBI Protein#: NP\_000866.1

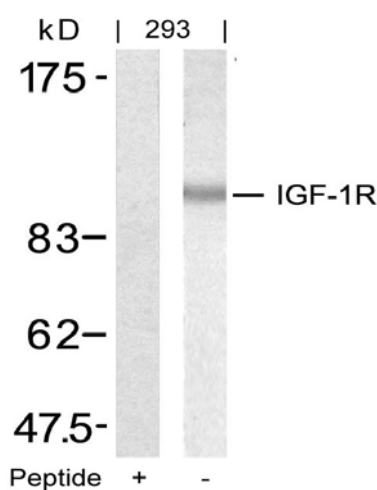
**Background:** This receptor binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR,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

### References:

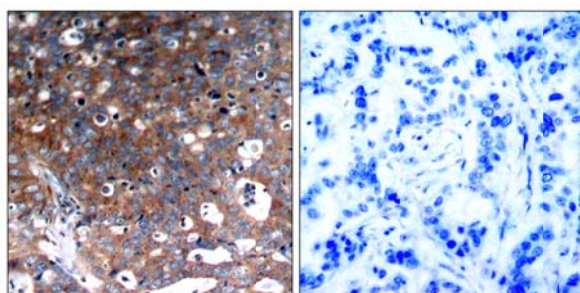
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### Recommended Dilutions:

Western blotting 1:500~1:1000  
Immunohistochemistry 1:50~1:100



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).

### Citation:

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**Related Pathway:** Insulin/Glucose, Receptors, Kinases/Phosphatases

**Note:** For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.