

Recombinant IGF1R/CD221 Monoclonal Antibody

catalog number: **AN300050P**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

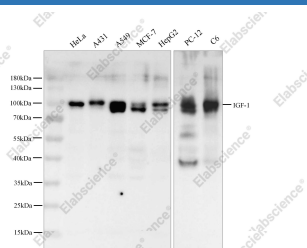
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human IGF1R / CD221 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C170040
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB: 1:1000; ICC/IF: 1:200-1:1000; FC: 1:50-1:100; IP: 1:20-1:50

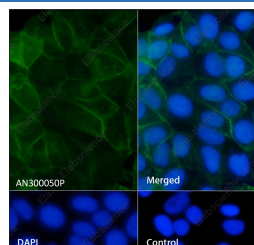
Data



Western blot analysis of HeLa, A431, A549, MCF7, HepG2, PC12 and C6 cell lysates using IGF1R/CD221 Antibody (AN300050P) at a dilution of 1:1000.

Observed-MW:95 kDa

Calculated-MW:154 kDa



Immunofluorescence analysis of MCF-7 cells labelling IGF-1 receptor beta. Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

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