

Rabbit IGF-1R Polyclonal Antibody | anti-IGF-1R antibody

IGF-1R antibody

CATALOG # AAA107848	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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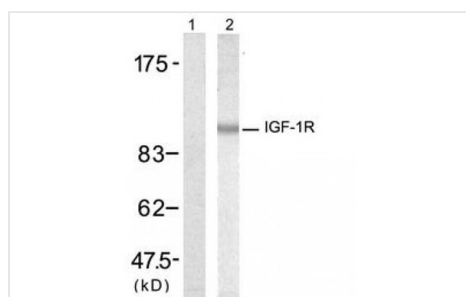
PRODUCT SYNONYMS

IGF-1R; Polyclonal Antibody; IGF-1R antibody; Polyclonal IGF-1R; Anti-IGF-1R; IGF-R 1; IGF-R-1; Ab 1346; IGF-1; Insulin-like Growth Factor 1 Receptor; IGF 1; anti-IGF-1R antibody

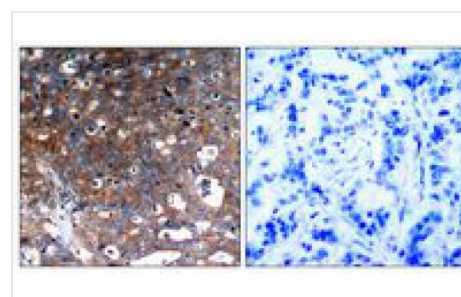
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	IGF-1R antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1369
Applicable Applications for anti-IGF-1R antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	IGF-1R is a transmembrane receptor that is activated by IGF-1 and by the related growth factor IGF-2. It belongs to the large class of tyrosine kinase receptors. This receptor mediates the effects of IGF-1, which is a polypeptide protein hormone similar in molecular structure to insulin. IGF-1 plays an important role in growth and continues to have anabolic effects in adults - meaning that it can induce hypertrophy of skeletal muscle and other target tissues. Mice lacking the IGF-1 receptor die late in development, and show a dramatic reduction in body mass, testifying to the strong growth-promoting effect of this receptor.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	IGF-1R antibody was raised in Rabbit using the peptide sequence around aa 1344~1348 (Q-P-Y-A-H) derived from Human IGF-1R as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of extracts from 293 cells using IGF-1R antibody and the same antibody preincubated with blocking peptide.


IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-IGF-1R antibody	Rabbit polyclonal IGF-1R antibody
Product Categories/Family for anti-IGF-1R antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	112983656
NCBI GeneID	16001
NCBI Accession #	NP_034643.2
NCBI GenBank Nucleotide #	NM_010513.2
Molecular Weight	155,788 Da
NCBI Official Full Name	insulin-like growth factor 1 receptor
NCBI Official Synonym Full Names	insulin-like growth factor I receptor
NCBI Official Symbol	Igf1r
NCBI Official Synonym Symbols	hyft; CD221; IGF-1R; D930020L01; A330103N21Rik
NCBI Protein Information	insulin-like growth factor 1 receptor
UniProt Protein Name	Insulin-like growth factor 1 receptor
UniProt Gene Name	Igf1r
UniProt Synonym Gene Names	IGF-I receptor
UniProt Entry Name	IGF1R_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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