

## Rabbit IGF1 Receptor (IGF1R) Polyclonal Antibody | anti-IGF1R antibody

IGF1 Receptor (IGF1R) Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                              |
|-----------|--------|------------------------------------------|-------------------------------------------|
| AAA288482 | Rabbit | Human (Predicted Reactivity: Mouse, Rat) | Immunohistochemistry, ELISA, Western Blot |

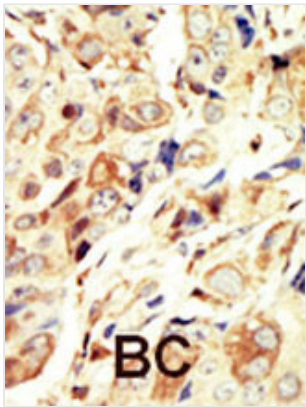
### PRODUCT SYNONYMS

IGF1 Receptor (IGF1R); Polyclonal Antibody; IGF1 Receptor (IGF1R) Antibody (N-term); Insulin-like growth factor 1 receptor; Insulin-like growth factor I receptor; IGF-I receptor; CD221; Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain; IGF1R; anti-IGF1R antibody

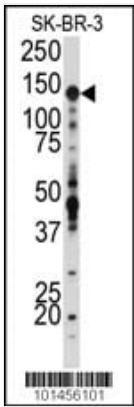
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                               |
| Reactivity                                      | Human (Predicted Reactivity: Mouse, Rat)                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                                           |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                            |
| Specificity                                     | This IGF1 Receptor (IGF1R) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-51 amino acids from the N-terminal region of human IGF1 Receptor (IGF1R). |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                            |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.            |
| Concentration                                   | Vial Concentration: 1.64 (varies by lot)                                                                                                                                                             |
| Sequence Positions                              | 19-51                                                                                                                                                                                                |
| Sequence Length                                 | 1,367                                                                                                                                                                                                |
| Applicable Applications for anti-IGF1R antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                                 |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                                    |
| Antigen Source                                  | HUMAN                                                                                                                                                                                                |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                               |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
Western blot analysis of anti-IGF1R Antibody (N-term) in SK-BR-3 cell line lysates (35ug/lane). IGF1R (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IGF1R antibody | The IGF1R receptor binds insulin-like growth factor with a high affinity and 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. The protein possess tyrosine kinase activity. |
| Product Categories/Family for anti-IGF1R antibody   | Cancer; Developmental biology; Neuroscience; Signal transduction                                                                                                                                                                                                                                                                                                       |
| References                                          | Song, R.X., et al., Proc. Natl. Acad. Sci. U.S.A. 101(7):2076-2081 (2004).<br>Zhao, H., et al., Oncogene 23(3):786-794 (2004).<br>Lu, Y., et al., Biochem. Biophys. Res. Commun. 313(3):709-715 (2004).<br>Hakam, A., et al., Dig. Dis. Sci. 48(10):1972-1978 (2003).<br>Li, Y., et al., Arterioscler. Thromb. Vasc. Biol. 23(12):2178-2184 (2003).                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 4557665                                         |
| NCBI GeneID                      | 3480                                            |
| NCBI Accession #                 | NP_000866.1                                     |
| NCBI GenBank Nucleotide #        | NM_000875.4                                     |
| UniProt Accession #              | P08069; Q14CV2; Q9UCC0; B1B5Y2                  |
| Molecular Weight                 | 154793                                          |
| NCBI Official Full Name          | insulin-like growth factor 1 receptor isoform 1 |
| NCBI Official Synonym Full Names | insulin-like growth factor 1 receptor           |
| NCBI Official Symbol             | IGF1R                                           |
| NCBI Official Synonym Symbols    | IGFR; CD221; IGFI; JTK13                        |
| 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_HUMAN    |

**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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/igf1-receptor-igf1r-antibody-immunohistochemistry-western-blot-elisa/288482>