

Datasheet for ABIN926846

## anti-IGF1R antibody (Middle Region)



[Go to Product page](#)

### 2 Images

#### Overview

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                        |
| Target:              | IGF1R                                                                         |
| Binding Specificity: | Middle Region                                                                 |
| Reactivity:          | Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Chicken, Pig, Xenopus laevis |
| Host:                | Rabbit                                                                        |
| Clonality:           | Polyclonal                                                                    |
| Conjugate:           | This IGF1R antibody is un-conjugated                                          |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)                             |

#### Product Details

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Immunogen:        | IGF1 R antibody was raised in rabbit using the middle region of IGF1 as the immunogen                   |
| Cross-Reactivity: | Mouse (Murine), Rat (Rattus), Pig (Porcine), Cow (Bovine), Chicken, Zebrafish (Brachydanio rerio), Frog |
| Purification:     | Purified                                                                                                |

#### Target Details

|                   |                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IGF1R                                                                                                                                                                                                                                                                                           |
| Alternative Name: | IGF1R                                                                                                                                                                                                                                                                                           |
| 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 |

## Target Details

malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival.

Synonyms: Polyclonal IGF1R antibody, Anti-IGF1R antibody, insulin-like growth factor 1 receptor antibody, CD221 antibody, IGFIR antibody, JTK13 antibody, MGC142170 antibody, MGC142172 antibody, MGC18216 antibody.

Pathways: [RTK Signaling](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Autophagy](#)

## Application Details

Application Notes: WB: 0.2-1 µg/mL

Optimal conditions should be determined by the investigator.

Comment: IGF1R Blocking Peptide, (ABIN937530), is also available for use as a blocking control in assays to test for specificity of this IGF1R antibody

Restrictions: For Research Use only

## Handling

Format: Lyophilized

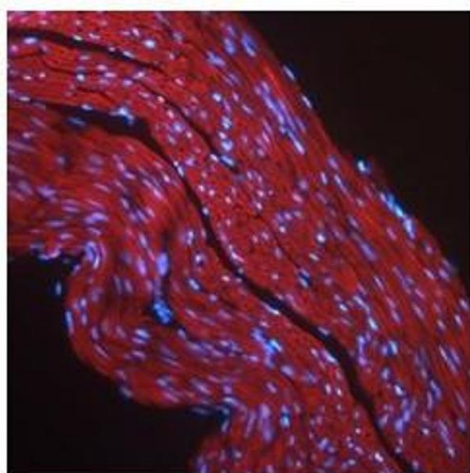
Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



#### Immunofluorescence

**Image 1.** IGF1R antibody used at a concentration of 2-10 ug/ml to detect mouse skeletal muscle (red). Nuclei staining with DAPI. Not suitable for human.



#### Western Blotting

**Image 2.** IGF1R antibody (70R-10422) used at 0.2-1 ug/ml to detect target protein.