

# [pTyr<sup>1316</sup>]IGF-1 receptor monoclonal antibody (2B9)

Insulin-like growth factor-I (IGF-I) is a polypeptide hormone similar in structure to insulin. It is involved in regulation of neuronal growth and development in the central and peripheral nervous system. IGF-1 is a potent inhibitor of apoptosis in neurons, and activates the Akt signaling pathway via the IGF-1R and Insulin receptors. The IGF-1R acts as a receptor for IGF-1 and the related IGF-2, and is subject to autophosphorylation on multiple tyrosine residues that regulate receptor activation and assembly of signal transduction complexes.

This antibody is covered by our [Worry-Free Guarantee](#).

## Ordering Information

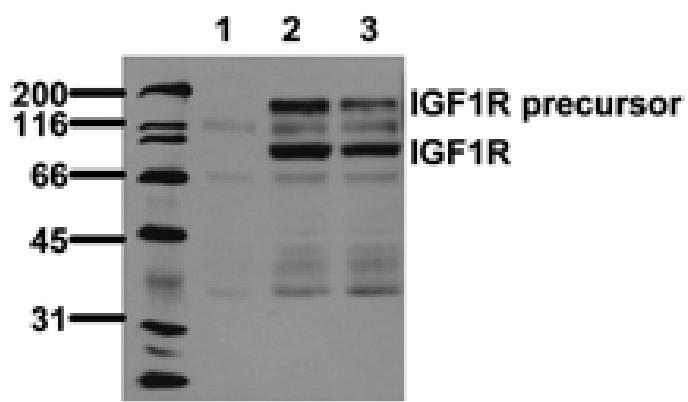
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ADI-905-643-100

100 $\mu$ g

## Manuals, SDS & CofA

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Western blot analysis of untreated (1), Insulin-treated (2), or IGF1-treated (3) HeLa cell lysates, probed with IGF1 Receptor (pTyr1316) mAb (2B9).

## Handling & Storage

**Use/Stability** Stable at -80°C up to 1 year, at 4°C up to 3 months.

**Long Term Storage** -20°C

**Shipping** Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

**Alternative Name** Insulin-like growth factor-1 receptor, IGF-1R

**Application** ELISA, WB

**Application Notes** Detects a band of ~97kDa by Western blot.

**Clone** 2B9

**Formulation** Lyophilized from 1ml of 2x PBS containing 0.09% sodium azide, PEG, and sucrose.

**Host** Mouse

**Immunogen** Synthetic peptide corresponding to a portion of human IGF-1 receptor phosphorylated at Tyr1316.

**Isotype** IgG1

**Purity Detail** Thiophilic adsorption and size exclusion chromatography purified.

**Recommendation Dilutions/Conditions** ELISA (0.1µg/ml)Western Blot (1µg/ml, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.

**Reconstitution** Reconstitute with 1ml water (15 minutes at room temperature).

**Species Reactivity** Human

**UniProt ID** P08069

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