**Product Datasheet**

# IGF1 Antibody

Catalog No: #32070

Package Size: #32070-1 50ul #32070-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

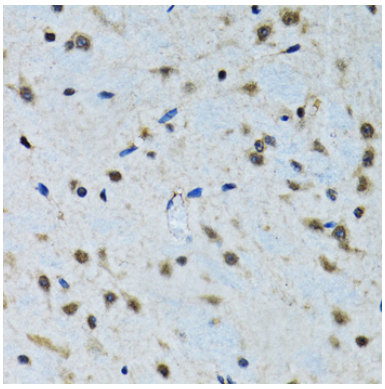
## Description

| | |
|---|---|
| Product Name | IGF1 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB,IHC |
| Species Reactivity | Human;Mouse;Rat |
| Specificity | The antibody detects endogenous level of total IGF1 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | A synthetic peptide of human IGF1. |
| Conjugates | Unconjugated |
| Target Name | IGF1 |
| Other Names | IGF1; IGF1A; IGFI; |
| Accession No. | Swiss-Prot:P05019NCBI Gene ID:3479 |
| SDS-PAGE MW | 17KD |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

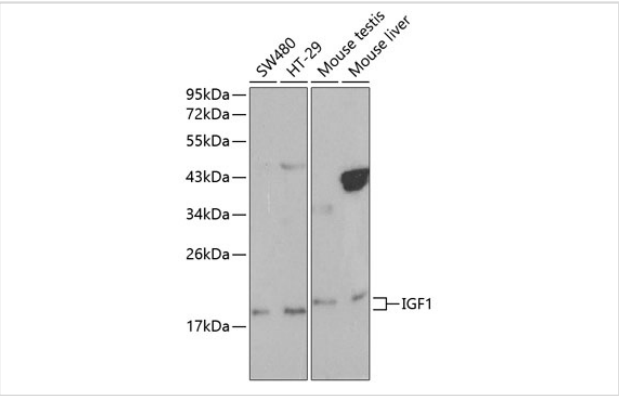
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

## Images



Immunohistochemistry of paraffin-embedded rat brain using IGF1 antibody at dilution of 1:100 (40x lens).




Western blot analysis of extracts of various cell lines, using IGF1 antibody at 1:1000 dilution.

## Background

IGF1, also named as IBP1, MGF, IGF-IA and Somatomedin-C, belongs to the insulin family. IGF1 is structurally and functionally related to insulin but have a much higher growth-promoting activity. Altered expression or mutation of IGF1 is associated with several human disorders, including type I diabetes and various forms of cancer. Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) which is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation. The antibody is specific to isoform IGF1A.

## Published Papers

el at., Metal-HisTag coordination for remote loading of very small quantities of biomacromolecules into PLGA microspheres. In Bioeng Transl Med on 2022 Feb 17 by

Jason Albert, Rae Sung Chang,et al..PMID:35600641, , (2022)

PMID:35600641

Junyou Su;Xiaoting Huang;Shengping Meng;Sumei Wang el at., Investigating Serum and Placental Levels of IGF-1 and IGF-1R in Preeclampsia Patients and Their Clinical Implications., , (2025)

PMID:40099233

Note: This product is for in vitro research use only and is not intended for use in humans or animals.