

Datasheet for ABIN1098108  
**anti-IGF2 antibody (AA 25-180)**[Go to Product page](#)

7 Images

2 Publications

## Overview

Quantity:	0.1 mg
Target:	IGF2
Binding Specificity:	AA 25-180
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human IGF2 (AA: 25-180) expressed in E. coli.
Clone:	8H1
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	IGF2
Alternative Name:	IGF2 ( <a href="#">IGF2 Products</a> )
Background:	Description: This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour,

## Target Details

Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Aliases: IGF-II, PP9974, C11orf43, FLJ22066, FLJ44734

Molecular Weight: 20.1 kDa

Gene ID: 3481

HGNC: 3481

Pathways: [Hormone Activity](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Activated T Cell Proliferation](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

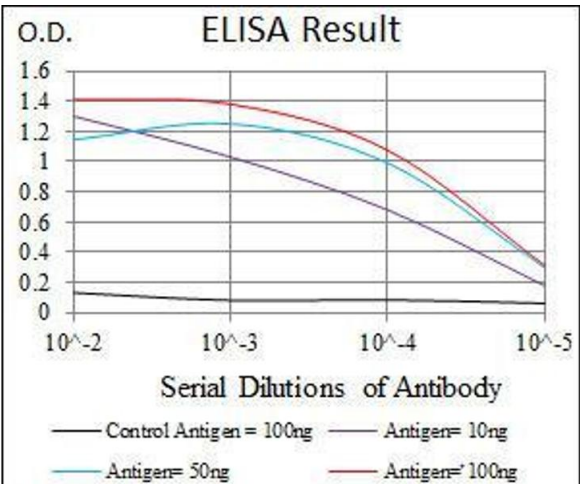
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Malovini, Illario, Iaccarino, Villa, Ferrario, Roncarati, Anselmi, Novelli, Cipolletta, Leggiero, Orro, Rusciano, Milanese, Maione, Condorelli, Bellazzi, Puca: "Association study on long-living individuals from Southern Italy identifies rs10491334 in the CAMKIV gene that regulates survival proteins." in: **Rejuvenation research**, Vol. 14, Issue 3, pp. 283-91, (2011) ([PubMed](#)).

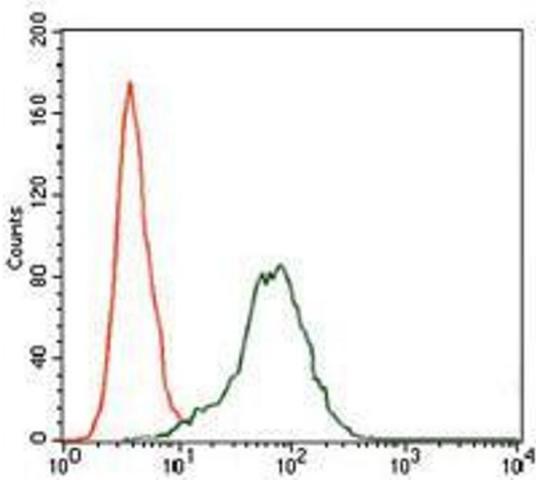
Dias, Cheung, Wang, Hart: "Regulation of calcium/calmodulin-dependent kinase IV by O-GlcNAc modification." in: **The Journal of biological chemistry**, Vol. 284, Issue 32, pp. 21327-37, (2009) ([PubMed](#)).

Images



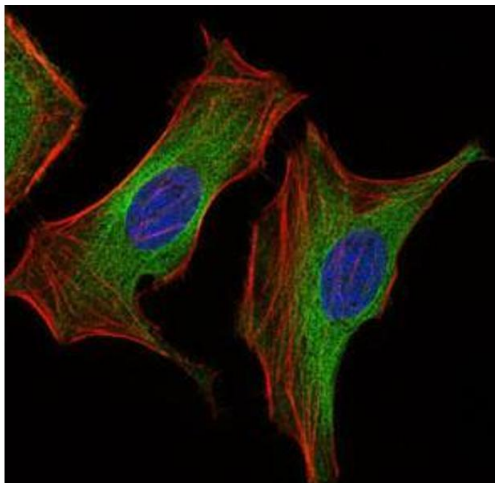
ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

**Image 2.** Flow cytometric analysis of HepG2 cells using IGF2 mouse mAb (green) and negative control (red).



Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells using IGF2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

## Images

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Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1098108.