

Datasheet for ABIN5003449

**anti-Growth Hormone 2 antibody (AA 121-217) (Alexa Fluor 680)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Growth Hormone 2 (GH2)
Binding Specificity:	AA 121-217
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Growth Hormone 2 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GH2/Growth hormone 2
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

## Target Details

Target:	Growth Hormone 2 (GH2)
Alternative Name:	GH2/Growth hormone 2 ( <a href="#">GH2 Products</a> )
Background:	Synonyms: GH 2, GH V, GH2, GHL, GHV, Growth hormone 2, Growth hormone variant, hGH V,

## Target Details

hGHV, Placenta specic growth hormone, Placental specic growth hormone, SOM2\_HUMAN.

Background: Growth hormone 2 (GH2) is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation, an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Mutations in this gene lead to placental growth hormone/lactogen deficiency. The major role of GH2 in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Gene ID: 2689

Pathways: [NF-kappaB Signaling](#), [JAK-STAT Signaling](#), [Response to Growth Hormone Stimulus](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months