ARG67060
anti-GH1 / Growth hormone antibody [SQab30339]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Mouse Monoclonal antibody [SQab30339] recognizes GH1 / Growth hormone
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	SQab30339
Isotype	IgG
Target Name	GH1 / Growth hormone
Species	Human
Immunogen	Recombinant protein fragment of GH1 / Growth hormone
Conjugation	Un-conjugated
Alternate Names	GH1; Growth Hormone 1; GH-N; GH; Pituitary Growth Hormone; Somatotropin; HGH-N; GHN; Growth Hormone B5; Growth Hormone ; IGHD1A; IGHD1B; IGHD2; GHB5

Application Instructions

Application table

Application	Dilution
IHC-P	1:100-1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

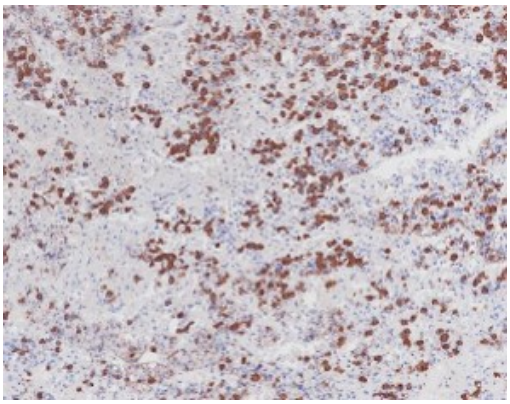
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GH1
Gene Full Name	growth hormone 1
Background	The protein encoded by this gene 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. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature. [provided by RefSeq, Jul 2008]
Function	Plays an important role in growth control. Its major role 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. [UniProt]
Calculated Mw	25 kDa
PTM	Disulfide bond, Phosphoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG67060 anti-GH1 / Growth hormone antibody [SQab30339] IHC-P image

Immunohistochemistry: Human pituitary gland ARG67060 anti-GH1 / Growth hormone antibody [SQab30339] at 1:100 dilution.