

## Mouse Monoclonal Antibody to GH1

<b>Catalogue Number</b>	sAP-1418
<b>Target Molecule</b>	<b>Name: GH1</b> <b>Aliases: P50CDC37</b> <b>MW: 44.5kDa</b> <b>Entrez Gene ID: 11140</b>
<b>Description</b>	<p>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</p>
<b>Immunogen</b>	Purified recombinant fragment of human GH1 (AA: 1-217) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM3H1C2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Asian Pac J Cancer Prev. 2015;16(13):5421-5. ; 2.Tumour Biol. 2014 May;35(5):4529-38.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**