

产品名称: GNAS Mouse Monoclonal Antibody  
产品货号: AMM81467



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | GNAS Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody      |
| 宿主 (Host)              | Mouse                          |
| 应用 (Application)       | IHC,ELISA,FC                   |
| 种属反应性 (Reactivity)     | Human                          |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG2a                                                                              |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | GNAS                                                                                  |
| 别名 (Alternative Names) | AHO; GSA; GSP; POH; GPSA; NESP; GNAS1; PHP1A; PHP1B; PHP1C; C20orf45                  |
| 基因 ID (Gene ID)        | 2778.0                                                                                |
| 蛋白 ID (SwissProt ID)   | P63092.Purified recombinant fragment of human GNAS (AA: 42-188) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 45.7kDa                                              |

## 研究背景 (Background)

This locus has a highly complex imprinted expression pattern. It gives rise to maternally, paternally, and biallelically

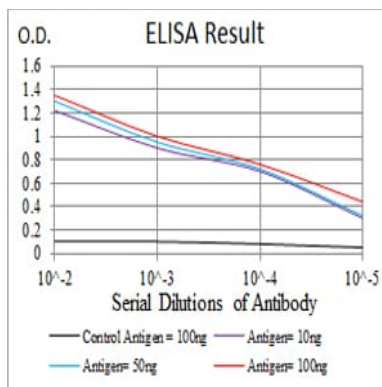
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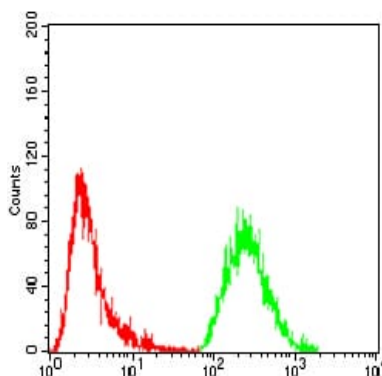
expressed transcripts that are derived from four alternative promoters and 5' exons. Some transcripts contain a differentially methylated region (DMR) at their 5' exons, and this DMR is commonly found in imprinted genes and correlates with transcript expression. An antisense transcript is produced from an overlapping locus on the opposite strand. One of the transcripts produced from this locus, and the antisense transcript, are paternally expressed noncoding RNAs, and may regulate imprinting in this region. In addition, one of the transcripts contains a second overlapping ORF, which encodes a structurally unrelated protein - Alex. Alternative splicing of downstream exons is also observed, which results in different forms of the stimulatory G-protein alpha subunit, a key element of the classical signal transduction pathway linking receptor-ligand interactions with the activation of adenylyl cyclase and a variety of cellular responses. Multiple transcript variants encoding different isoforms have been found for this gene. Mutations in this gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseous heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors. [provided by RefSeq, Aug 2012]

## 研究领域 (Research Area)

## 图片 (Image Data)

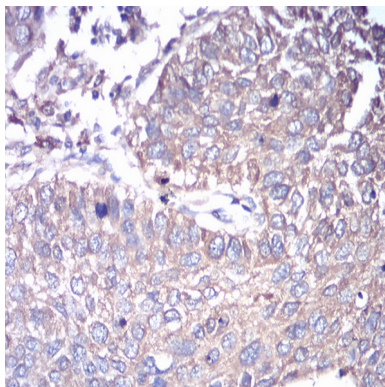


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

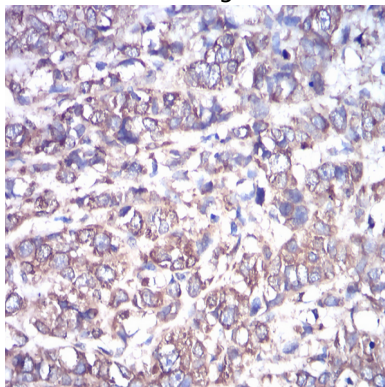


Flow cytometric analysis of A549 cells using GNAS mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using GNAS mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using GNAS mouse mAb with DAB staining.

#### **注意事项 (Note)**

For research use only .