ATAGENIX LABORATORIES

Catalog Number:ATA29922

GNAS2 rabbit Polyclonal Antibody

产品概述

产品名（Product Name）	GNAS2 rabbit Polyclonal Antibody
货号（Catalog No.）	ATA29922
种类（Category）	Primary antibodies
宿主（Host）	Rabbit
反应种属（Species specificity）	Human, Mouse,Rat
应用实验（Tested applications）	WB
克隆性（Clonality）	Polyclonal
偶连物（Conjugation）	Unconjugated
免疫原（Immunogen）	Synthesized peptide derived from human GNAS2

产品性能

状态（Form）	Liquid
存放条件（Storage）	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
纯化方式（Purity）	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

应用

WB 1：500-2000

产品背景

This locus has a highly complex imprinted expression pattern. It gives rise to maternally, paternally, and biallelically 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 reponses. 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 osseus heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors. [provided by RefSeq, Aug 2012],