

CoraLite® Plus 647-conjugated GNAS Monoclonal antibody

Catalog Number: **CL647-66253**

Basic Information

Catalog Number:

CL647-66253

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG20530

GenBank Accession Number:

BC002722

GeneID (NCBI):

2778

UNIPROT ID:

O95467

Full Name:

GNAS complex locus

Calculated MW:

45 kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

1A9C10

**Excitation/Emission maxima
wavelengths:**

654 nm / 674 nm

Applications

Tested Applications:

Species Specificity:

human, pig

Background Information

Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1) is the ubiquitously expressed heterotrimeric G protein that couples receptors to the effector enzyme adenylyl cyclase and is required for receptor-stimulated intracellular cAMP generation. Mutations of Gs(alpha) residues involved in the GTPase reaction that lead to constitutive activation are present in endocrine tumors, fibrous dysplasia of bone, and McCune-Albright syndrome. The molecular weight of Gs(alpha) protein is about 46 kDa.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

