For Research Use Only

# CoraLite®594-conjugated GNAS Monoclonal antibody

Catalog Number:CL594-66253

proteintech®
Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
CL594-66253

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

Recommended Dilutions:
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

## Applications

Tested Applications:
IF/ICC, IF-P

Species Specificity:
human

Positive Controls:

IF-P : human colon cancer tissue,

IF/ICC : MCF-7 cells,

## Background Information

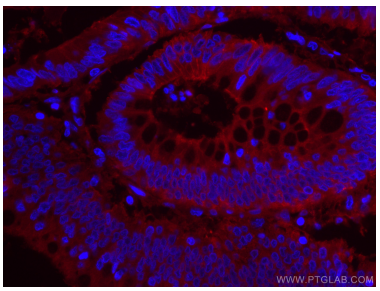
Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1) is the ubiquitously expressed heterotrimeric G protein that couples receptors to the effector enzyme adenylyl cyclase and is required for receptor-stimulated intracellular cAMP generation. Mutations of Gs(alpha) 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

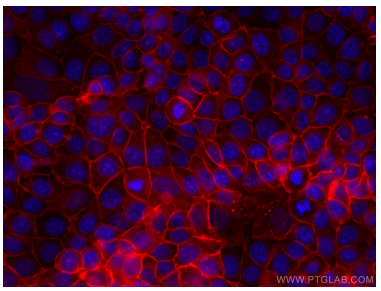
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

## Selected Validation Data




Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 GNAS antibody (CL594-66253, Clone: 1A9C10 ) at dilution of 1:200.




Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite®594 GNAS antibody (CL594-66253, Clone: 1A9C10 ) at dilution of 1:200.