

For Research Use Only

# CoraLite®594-conjugated GNAS Monoclonal antibody

Catalog Number:CL594-66253



## Basic Information

<b>Catalog Number:</b> CL594-66253	<b>GenBank Accession Number:</b> BC002722	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2778	<b>CloneNo.:</b> 1A9C10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O95467	<b>Recommended Dilutions:</b> IF-P 1:50-1:500 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> GNAS complex locus	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG20530	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	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.

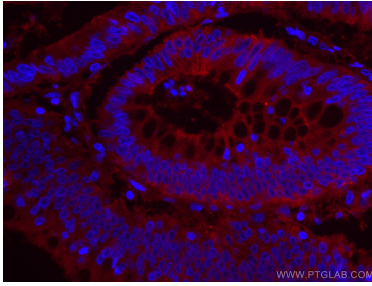
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. 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

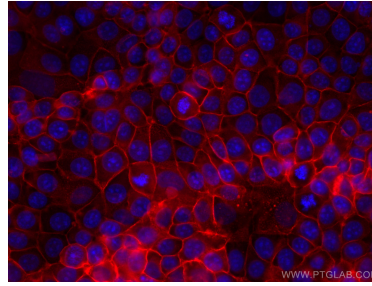
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected 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.