

For Research Use Only

CoraLite®594-conjugated GNAS Monoclonal antibody



Catalog Number:CL594-66253

Basic Information

Catalog Number: CL594-66253	GenBank Accession Number: BC002722	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2778	CloneNo.: 1A9C10
Source: Mouse	UNIPROT ID: O95467	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: GNAS complex Locus	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG20530	Calculated MW: 45 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC,IF-P	Positive Controls: IF : human colon cancer tissue, MCF-7 cells
Species Specificity: human	

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:

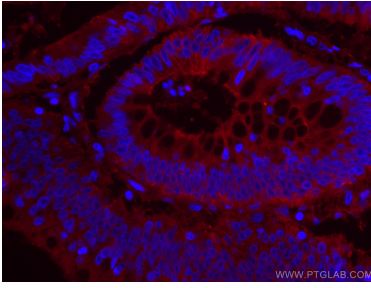
T: 4006900926

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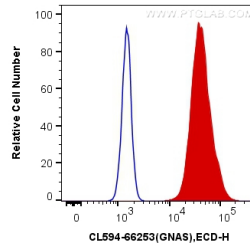
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Selected Validation Data



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



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human GNAS (CL594-66253, Clone:1A9C10) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).