

For Research Use Only

NESP55,GNAS Recombinant monoclonal antibody, PBS Only

Catalog Number:81802-2-PBS



Basic Information

Catalog Number: 81802-2-PBS	GenBank Accession Number: BC002722	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2778	CloneNo.: 251463D5
Source: Rabbit	UNIPROT ID: P63092	
Isotype: IgG	Full Name: GNAS complex locus	
Immunogen Catalog Number: AG0197	Calculated MW: 45 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

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 near two bands represent two different isoforms. The expression profile/ molecular weight observed are consistent with what has been described in the literature (PMID : 3258290).

Storage

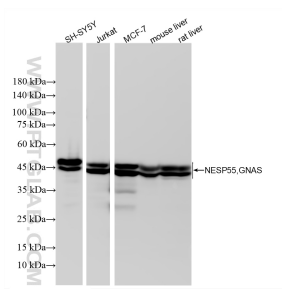
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

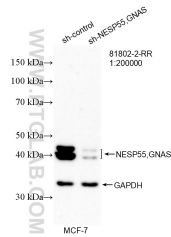
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

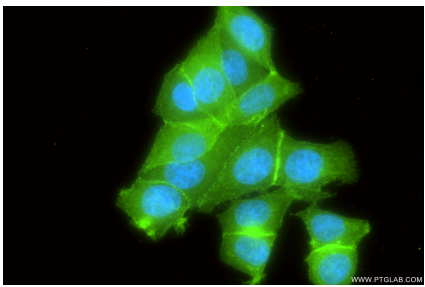
Selected Validation Data



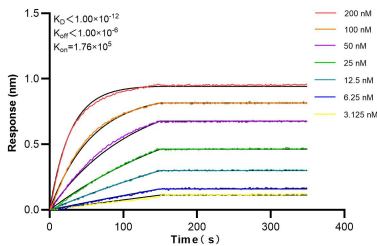
Various lysates were subjected to SDS PAGE followed by western blot with 81802-2-RR (NESP55,GNAS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81802-2-PBS in a different storage buffer formulation.



WB result of NESP55,GNAS antibody (81802-2-RR; 1:200000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NESP55,GNAS transfected MCF-7 cells. This data was developed using the same antibody clone with 81802-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NESP55,GNAS antibody (81802-2-RR, Clone: 251463D5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 81802-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81802-2-RR against Human NESP55,GNAS were performed. The affinity constant is below 1 pM.