

For Research Use Only

GNAS Polyclonal antibody

Catalog Number: 10150-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

10150-2-AP

Size:

150UL, Concentration: 167 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0197

GenBank Accession Number:

BC002722

GeneID (NCBI):

2778

Full Name:

GNAS complex locus

Calculated MW:

45 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse liver tissue,

IP: mouse liver tissue,

IHC: human pancreas tissue, human colon tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Gemoll Timo T	21290163	Cell Mol Life Sci	WB
Hongda Ding	32123532	Cell Mol Biol Lett	WB,IF
Lele Liu	32036696	Am J Physiol Renal Physiol	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

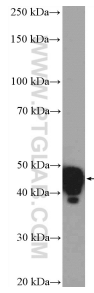
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

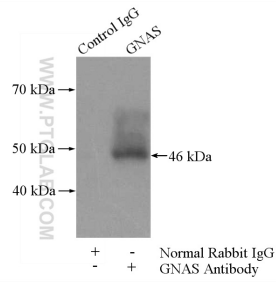
E: proteintech@ptglab.com
W: ptglab.com

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

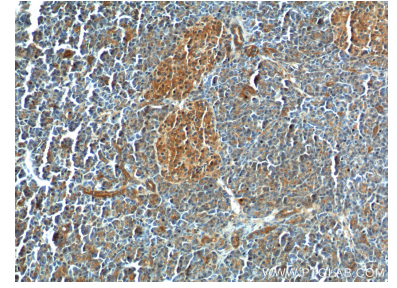
Selected Validation Data



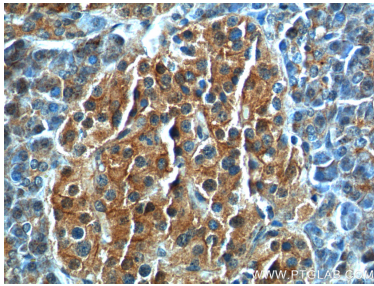
mouse liver tissue were subjected to SDS PAGE followed by western blot with 10150-2-AP (NESP55,GNAS Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-GNAS (IP:10150-2-AP, 4ug; Detection:10150-2-AP 1:300) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10150-2-AP (NESP55,GNAS Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10150-2-AP (NESP55,GNAS Antibody) at dilution of 1:200 (under 40x lens).