

GNAS Polyclonal Antibody

Catalog number: 10150-2-AP

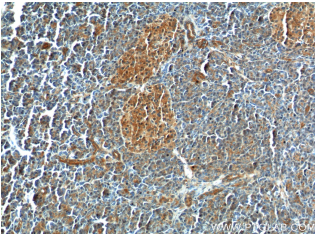
Size: 20 µg/150 µl

Source: Rabbit

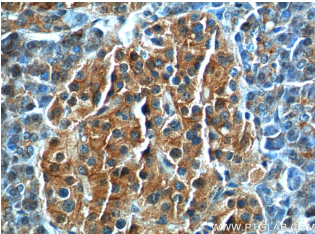
Isotype: IgG

Synonyms:

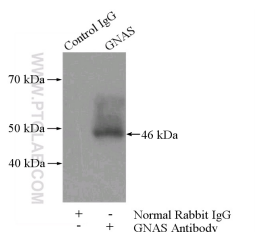
GNAS; AHO, C20orf45,
dJ309F20.1.1, dJ806M20.3.3,
GNAS, GNAS complex locus,
GNAS1, GPSA, GSA, GSP,
NESP, PHP1A, PHP1B, POH



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



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



IP Result of anti-NESP55,GNAS (IP:10150-2-AP, 4µg; Detection:10150-2-AP 1:300) with mouse liver tissue lysate 4000µg.

Background

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.

Applications

Tested applications:	ELISA, IP, IHC, WB
Cited applications:	WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human
Calculated GNAS MW:	45 kDa
Observed GNAS MW:	46 kDa
Positive WB detected in	Mouse liver tissue
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human pancreas tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

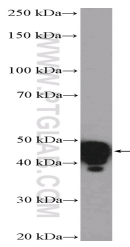
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0197
GenBank accession number:	BC002722
Gene ID (NCBI):	2778
Full name:	GNAS complex locus

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



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