

GNAI2 Polyclonal Antibody

Catalog number: 11136-1-AP

Size: 48 µg/150 µl

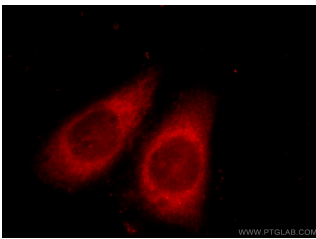
Source: Rabbit

Isotype: IgG

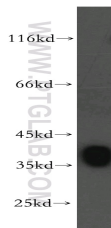
Synonyms:

GNAI2; GIP, GNAI2, GNAI2B,

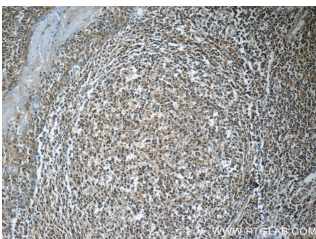
H_LUCA15.1, H_LUCA16.1



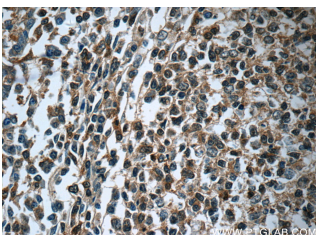
Immunofluorescent analysis of HeLa cells, using GNAI2 antibody 11136-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



human brain tissue were subjected to SDS PAGE followed by western blot with 11136-1-AP(GNAI2 antibody) at dilution of 1:800



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 11136-1-AP(GNAI2 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using

Background

GNAI2, also named as GNAI2B, belongs to the G-alpha family. G(i/o/t/z) subfamily. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. GNAI2 is 93% homolog to GNAI1, 94% to GNAI3, 85% to GNAT3, 82% to GNAT2.

Applications

Tested applications:	ELISA, WB, IF, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated GNAI2 MW:	41 kDa
Observed GNAI2 MW:	35-40 kDa
Positive WB detected in	Human brain tissue, NIH/3T3 cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human tonsillitis tissue, human brain tissue, human kidney tissue, human lung cancer tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

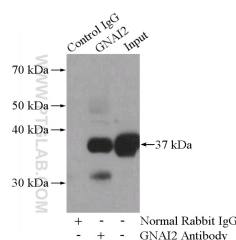
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1597
GenBank accession number:	BC012138
Gene ID (NCBI):	2771
Full name:	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2

Product information

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



IP Result of anti-GNAI2
(IP:11136-1-AP, 4µg;
Detection:11136-1-AP 1:500)

11136-1-AP(GNAI2 with mouse brain tissue lysate
Antibody) at dilution of 1:50 4000ug.
(under 40x lens)