

G Alpha olf Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03868
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human GNAL. AA range:41-90
Mol wt	44308
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Galpha olf Antibody
Synonyms	GNAL; Guanine nucleotide-binding protein G(olf) subunit alpha; Adenylate cyclase-stimulating G alpha protein; olfactory type

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GNAL encodes a stimulatory G protein alpha subunit which mediates odorant signaling in the olfactory epithelium. Guanine nucleotide-binding protein G(olf) subunit alpha couples dopamine type 1 receptors and adenosine A2A receptors and is widely expressed in the central nervous system. Mutations in GNAL have been associated with dystonia 25 and this gene is located in a susceptibility region for bipolar disorder and schizophrenia. Alternative splicing results in multiple transcript variants.

Recommended Dilution

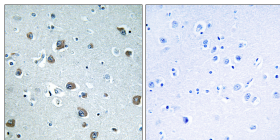
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

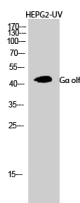
ELISA: 1: 20000

Not yet tested in other applications.

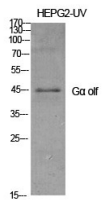
Images



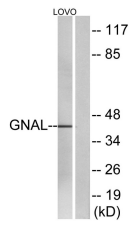
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GNAL Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of HEPG2-UV cells using G α olf Polyclonal Antibody diluted at 1:1000



Western Blot analysis of various cells using Gaolf Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from LOVO cells, using GNAL Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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