

产品名称: Gα olf Rabbit Polyclonal Antibody
产品货号: APRab11865



产品概述 (Summary)

产品名称 (Production Name)	Gα olf Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GNAL
别名 (Alternative Names)	GNAL; Guanine nucleotide-binding protein G(olf) subunit alpha; Adenylate cyclase-stimulating G alpha protein; olfactory type
基因 ID (Gene ID)	2774.0
蛋白 ID (SwissProt ID)	P38405.The antiserum was produced against synthesized peptide derived from human GNAL. AA range:41-90

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

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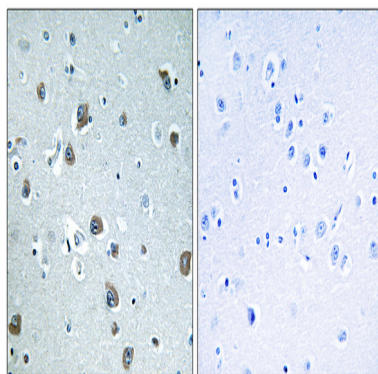
研究背景 (Background)

G protein subunit alpha L (GNAL) Homo sapiens This gene encodes a stimulatory G protein alpha subunit which mediates odorant signaling in the olfactory epithelium. This protein couples dopamine type 1 receptors and adenosine A2A receptors and is widely expressed in the central nervous system. Mutations in this gene 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. [provided by RefSeq, Dec 2013], function: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(olf) alpha mediates signal transduction within the olfactory neuroepithelium and the basal ganglia. May be involved in some aspect of visual transduction, and in mediating the effect of one or more hormones/neurotransmitters., similarity: Belongs to the G-alpha family. G(s) subfamily., subunit: G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site., tissue specificity: Detected in olfactory neuroepithelium, brain, testis, and to a lower extent in retina, lung alveoli, spleen. Trace amounts were seen in kidney, adrenal gland and liver. Found to be expressed in all the insulinomas examined.,

研究领域 (Research Area)

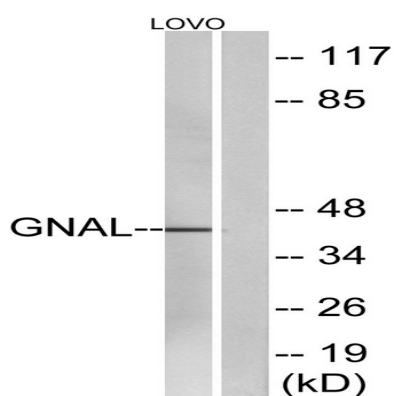
Calcium; Olfactory transduction;

图片 (Image Data)

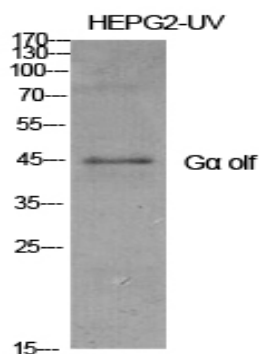


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GNAL Antibody. The picture on the right is blocked with the synthesized peptide.

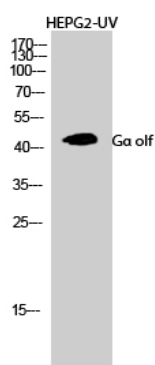
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Western blot analysis of lysates from LOVO cells, using GNAL Antibody. The lane on the right is blocked with the synthesized peptide.



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



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

注意事项 (Note)

For research use only .