抑制型 G 蛋白 α 3 抗体

产品货号： mIR1429

英文名称： GNAI3

中文名称： 抑制型 G 蛋白 α 3 抗体

别　　名： GAI3; 87U6; FLJ26559; G protein alpha inhibiting 3; G(i) alpha 3; G(i) alpha-3; GNAI3; GNAI3_HUMAN; Guanine nucleotide binding protein (G protein) alpha inhibiting activity polypeptide 3; Guanine nucleotide binding protein G(k) alpha subunit; Guanine nucleotide-binding protein G(k) subunit alpha; OTTHUMP00000013368; Gnai3; Guanine nucleotide binding protein (G protein), alpha inhibiting 3; G Alpha i-3.

研究领域： 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 40kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human GNAI3:241-354/354

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： GAI3 is the a subunit of inhibitory trimeric G protein (Gi), which inhibits adenylate cyclase once its G protein coupled receptors (GPCR) such as a2 adrenergic receptors are activated. GAI3 can be inactivated by pertussis toxin. Guanine nucleotide binding proteins are involved as modulators or transducers in various transmembrane signaling systems. G(k) is the stimulatory G protein of receptor regulated K(+) channels.

Function:

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(k) is the stimulatory G protein of receptor-regulated K(+) channels. The active GTP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.

Subunit:

G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Interacts with GPSM1. Interacts with RGS12. Interacts (via active GTP- or inactive GDP-bound form) with RGS14.

Subcellular Location:

Cytoplasm. Cell membrane. Cytoplasm, cytoskeleton, centrosome.

Similarity:

Belongs to the G-alpha family. G(i/o/t/z) subfamily.

SWISS:

P08754

Gene ID:

2773

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.