抗G蛋白/Gα β γ纳米抗体

Anti-G protein/Gα β γ Recombinant Nanobody (Nb35)

货号：RB9T37037693

在您使用本产品前请认真阅读说明书，这对您顺利完成实验很有帮助。

产品编码
RB9T37037693

中文名称
抗G蛋白/Gα β γ纳米抗体

英文名称
Anti-G protein/Gα β γ Recombinant Nanobody (Nb35)

形态
Liquid

纯度
>95% as determined by SDS-PAGE.

内毒素水平
Please contact with the lab for this information.

应用
Crystallography, Cryo-EM

登录号
P63092

宿主种属
Alpaca

克隆性
Monoclonal

抗体亚型
VHH-His

纯化方式
Protein A/G purified from cell culture supernatant.

种属反应性
Homo sapiens (Human)

靶标

Adenylate cyclase-stimulating G alpha protein, EC:3.6.5.-, GNAS, GNAS1, GSP, Guanine nucleotide-binding protein G(s) subunit alpha isoforms short

背景信息

Guanine nucleotide-binding protein G(s) subunit alpha isoforms short (Gα β γ) is a ~45 kDa protein. Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous signaling pathways controlled by G protein-coupled receptors (GPCRs). The alpha chain contains the guanine nucleotide binding site and alternates between an active, GTP-bound state and an inactive, GDP-bound state. Signaling by an activated GPCR promotes GDP release and GTP binding. The alpha subunit has a low GTPase activity that converts bound GTP to GDP, thereby terminating the signal. Both GDP release and GTP hydrolysis are modulated by numerous regulatory proteins.

1. Pak, Y. et al. (2002) Molecular and cellular biology 22, 7942-52. PMID: 12391161
2. Gao, X. et al. (2007) The Journal of biological chemistry 282, 294-302. PMID: 17110384
3. Thiele, S. et al. (2011) Human mutation 32, 653-60. PMID: 21488135
4. Brand, CS. et al. (2015) Molecular pharmacology 88, 758-67. PMID: 26206488
5. Farfel, Z. et al. (1996) The Journal of biological chemistry 271, 19653-5. PMID: 8702665
6. Warner, DR. et al. (1999) Proceedings of the National Academy of Sciences of the United States of America 96, 4268-72. PMID: 10200251

储存缓冲液

0.01M PBS pH 7.4

稳定性和储存

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8° C for frequent use. Store at -20 to -80° C for twelve months from the date of receipt.

重构方法

Reconstitute in sterile water for a stock solution. A copy of datasheet will be

provided with the products, please refer to it for details.

For research use only