抗大鼠CASR多克隆抗体

Anti-Rat CASR Polyclonal Antibody

货号：RB9T37036588

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
RB9T37036588

中文名称
抗大鼠CASR多克隆抗体

英文名称
Anti-Rat CASR Polyclonal Antibody

形态
Liquid

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

应用
ELISA, IHC, WB

登录号
P48442

宿主种属
Rabbit

克隆性
Polyclonal

抗体亚型
IgG

纯化方式
Purified by antigen affinity column.

种属反应性
Rat, Mouse

靶标
CaSR, Casr, Extracellular calcium-sensing receptor, Gprc2a, PCaR1, Parathyroid cell calcium-sensing receptor, Pcar1, RaKCaR

免疫原
E. coli - derived recombinant Rat CASR (Lys863-Ser1079).

产品使用说明

ELISA:1:5000-1:20000;IHC:1:50-1:500;WB:1:500-1:2000

背景信息

Extracellular calcium-sensing receptor (CASR) is a ~120 kDa protein. G-protein-coupled receptor that senses changes in the extracellular concentration of calcium ions and plays a key role in maintaining calcium homeostasis. Senses fluctuations in the circulating calcium concentration: activated by elevated circulating calcium, leading to decreased parathyroid hormone (PTH) secretion in parathyroid glands. In kidneys, acts as a key regulator of renal tubular calcium resorption. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G-proteins) and modulates the activity of downstream effectors. CASR is coupled with different G(q)/G(11), G(i)/G(o)- or G(s)-classes of G-proteins depending on the context.

1. Loupy, A. et al. (2012) The Journal of clinical investigation 122, 3355-67. PMID: 22886306

2. Riccardi, D. et al. (1995) Proceedings of the National Academy of Sciences of the United States of America 92, 131-5. PMID: 7816802

储存缓冲液

0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300.

For research use only