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## Calcium Sensing Receptor Rabbit pAb

Catalog Number: bs-8524R  
Target Protein: Calcium Sensing Receptor  
Concentration: 1mg/ml  
Form: Liquid  
Host: Rabbit  
Clonality: Polyclonal  
Isotype: IgG  
Applications: WB (1:500-2000)  
Reactivity: Mouse, Rat (predicted:Human, Rabbit, Sheep, Cow)  
Predicted MW: 118 kDa  
Entrez Gene: 846  
Swiss Prot: P41180  
Source: KLH conjugated synthetic peptide derived from human Calcium Sensing Receptor/CaSR: 121-220/1078.  
Purification: affinity purified by Protein A  
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  
Background: Extracellular calcium-sensing receptor (CaSR), also designated parathyroid cell calcium-sensing receptor, is an integral membrane protein that belongs to the G protein-coupled receptor 3 family. CaSR is involved in maintaining a stable calcium concentration by acting as a sensor of the extracellular calcium levels for the parathyroid and kidney. Its activity is mediated by a G protein which activates a phosphatidylinositol-calcium second messenger

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=5.279] Nan Gao. et al. Tryptophan Promotes Intestinal Immune Defense through Calcium-Sensing Receptor (CaSR)-Dependent Metabolic Pathways. J Agr Food Chem. 2021;XXXX(XXX):XXX-XXX WB,FCM ; Pig . 34748328

[IF=3.657] Liu H et al. Involvement of calcium-sensing receptor activation in the alleviation of intestinal inflammation in a piglet model by dietary aromatic amino acid supplementation. (2018) Br J Nutr.;120(12):1321-1331. WB ; piglet . 30375295

[IF=4.3] Shasha Chen. et al. Quercetin alleviates zearalenone-induced apoptosis and necroptosis of porcine renal epithelial cells by inhibiting CaSR/CaMKII signaling pathway. FOOD CHEM TOXICOL. 2023 Nov;;114184 WB ; Pig . 37951344

[IF=2.91] Huang, Bo, et al. "Chitosan oligosaccharide reduces intestinal inflammation that involves CaSR activation in LPS challenged-piglets." Journal of Agricultural and Food Chemistry (2016). WB ; ="Pig" . 26654156

[IF=2.299] Zhang P et al. Differentiation of Rat Adipose-Derived Stem Cells into Parathyroid-Like Cells. Int J Endocrinol. 2020 Jun 12;2020:1860842. WB ; Rat . 32612651