bs-8524R **[Primary Antibody]**

Calcium Sensing Receptor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 846 **SWISS:** P41180

Target: Calcium Sensing Receptor

Immunogen: KLH conjugated synthetic peptide derived from human Calcium Sensing Receptor/CaSR: 121-220/1078.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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 an 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

Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Sheep, Cow)

Predicted MW.: 118 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[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