Datasheet for ABIN1386858

anti-CASR antibody (AA 121-220)

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Overview

Quantity:	100 µL
Target:	CASR
Binding Specificity:	AA 121-220
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calcium Sensing Receptor/CaSR
Isotype:	IgG
Cross-Reactivity:	Pig
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CASR
Alternative Name:	Calcium Sensing Receptor (CASR Products)
Background:	Synonyms: CAR, FHH, FIH, HHC, EIG8, HHC1, NSHPT, PCAR1, GPRC2A, HYPOC1, Extracellular

Target Details

	calcium-sensing receptor, CaSR, Parathyroid cell calcium-sensing receptor 1 Background: Senses changes in the extracellular concentration of calcium ions. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system.
Gene ID:	846
UniProt:	P41180
Pathways:	Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

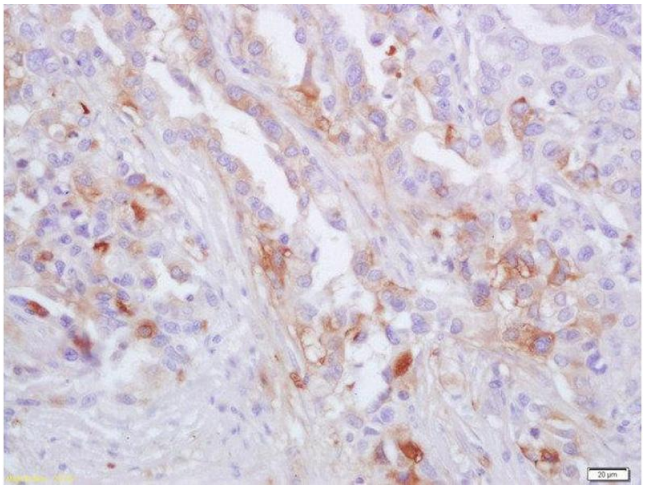
Publications

Product cited in:	Liu, Tan, Huang, Li, Wang, Liao, Guan, Ji, Yin: "Involvement of calcium-sensing receptor activation in the alleviation of intestinal inflammation in a piglet model by dietary aromatic amino acid supplementation." in: **The British journal of nutrition**, Vol. 120, Issue 12, pp. 1321-1331, (2019) (PubMed). Huang, Xiao, Tan, Xiao, Wang, Yin, Duan, Huang, Yang, Yin: "Chitosan Oligosaccharide Reduces

Publications

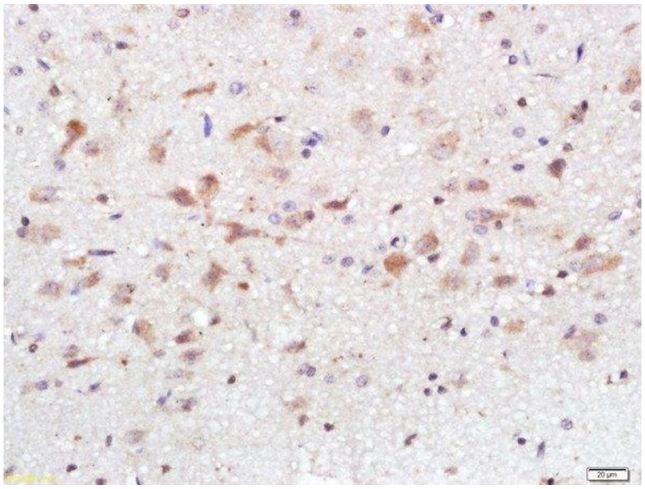
Intestinal Inflammation That Involves Calcium-Sensing Receptor (CaSR) Activation in Lipopolysaccharide (LPS)-Challenged Piglets." in: **Journal of agricultural and food chemistry**, Vol. 64, Issue 1, pp. 245-52, (2016) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded human kidney labeled with Anti-Calcium Sensing Receptor Polyclonal Antibody, Unconjugated at 1:300 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded (Species/Tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Calcium Sensing Receptor Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.