

Anti-calcium-sensing receptor [HL1499]

Catalogue number: 158407

Sub-type: Primary antibody

Images:

Contributor

Inventor: R. Tyler Miller

Institute: University of Florida Research Foundation

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-calcium-sensing receptor [HL1499]

Alternate name: CaSR, CaR

Class: Monoclonal

Conjugate: Unconjugated

Description: Calcium-sensing receptor (CaSR) is a GPCR sensing extracellular levels of calcium ions and is primarily expressed in the renal tubes of the kidney and in the parathyroid gland. Mutations have been known to cause several disorders such as familial hypocalciuric hypercalcemia, autosomal dominant hypocalcemia and Type 6 Bartter syndrome. CaSR has also been shown to be involved in Alzheimer's Disease, asthma, and cancer. CaSR has been shown to interaction with filamin, which is not present in certain types of cancers, and can only activate ERK in the presence of filamin.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human ; Mouse ; Rat ; Rabbit

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide corresponding to amino acids 15-29 in the extracellular amino terminus of human CaSR

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Calcium Sensing Receptor (CaSR)

Target alternate names:

Target background: Calcium-sensing receptor (CaSR) is a GPCR sensing extracellular levels of calcium ions and is primarily expressed in the renal tubes of the kidney and in the parathyroid gland. Mutations have been known to cause several disorders such as familial hypocalciuric hypercalcemia, autosomal dominant hypocalcemia and Type 6 Bartter syndrome. CaSR has also been shown to be involved in Alzheimer's Disease, asthma, and cancer. CaSR has been shown to interact with filamin, which is not present in certain types of cancers, and can only activate ERK in the presence of filamin.

Molecular weight:

Ic50:

Applications

Application: WB ; IHC ; IP

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: -20° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Wilson et al. 1994. J Cell Biol. 127(5):1173-84. PMID: 7962083.

CancerTools.org