



Datasheet for ABIN1881139
anti-CASR antibody (AA 260-287)



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Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 400 µL |
| Target: | CASR |
| Binding Specificity: | AA 260-287 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CASR antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This CASR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 260-287 amino acids from the Central region of human CASR. |
| Clone: | RB41198 |
| Isotype: | IgG |
| Predicted Reactivity: | B, Pig, Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | CASR |
| Alternative Name: | CASR (CASR Products) |

Target Details

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|-------------------|--|
| Background: | The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism. [provided by RefSeq]. |
| Molecular Weight: | 120675 |
| NCBI Accession: | NP_000379 , NP_001171536 |
| UniProt: | P41180 |
| Pathways: | Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB: 1:1000 |
| Restrictions: | For Research Use only |

Handling

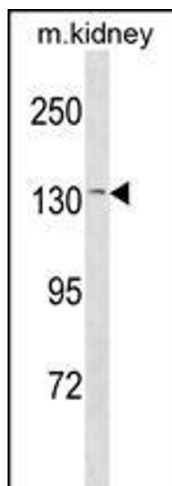
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |

Publications

| | |
|-------------------|--|
| Product cited in: | Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: Transgenic research , Vol. 19, Issue 1, pp. 67-75, (2010) (PubMed). |
| | Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: Cancer |

science, Vol. 99, Issue 12, pp. 2428-34, (2008) ([PubMed](#)).

Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1 gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-31, (2006) ([PubMed](#)).



Western Blotting

Image 1. CASR Antibody (Center) (ABIN1881139 and ABIN2839013) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the CASR antibody detected the CASR protein (arrow).