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# Anti-CSEN Antibody

Catalog # ABO11581

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q9Y2W7 |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Format** | Lyophilized |
| **Description** | Rabbit IgG polyclonal antibody for Calsenilin(KCNIP3) detection. Tested with WB in Human. |
| **Reconstitution** | Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |

## Additional Information

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| **Gene ID** | 30818 |
| **Other Names** | Calsenilin, A-type potassium channel modulatory protein 3, DRE-antagonist modulator, DREAM, Kv channel-interacting protein 3, KChIP3, KCNIP3, CSEN, DREAM, KCHIP3 |
| **Calculated MW** | 29231 |
| **Application Details** | Western blot, 0.1-0.5 □g/ml, Human |
| **Subcellular Localization** | Cytoplasm . Cell membrane ; Lipid-anchor . Endoplasmic reticulum . Golgi apparatus. Nucleus. Also membrane-bound, associated with the plasma membrane (PubMed:15485870). In the presence of PSEN2 associated with the endoplasmic reticulum and Golgi. The sumoylated form is present only in the nucleus. . |
| **Tissue Specificity** | Highly expressed in brain. Widely expressed at lower levels. Expression levels are elevated in brain cortex regions affected by Alzheimer disease. . |
| **Source** | Eukaryota |
| **Protein Name** | Calsenilin |
| **Contents** | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. |
| **Immunogen** | A synthetic peptide corresponding to a sequence at the N-terminus of human CSEN(1-16aa MQPAKEVTKASDGSLL). |
| **Purification** | Immunogen affinity purified. |

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| **Cross Reactivity** | No cross reactivity with other proteins |
| **Storage** | At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing. |
| **Sequence Similarities** | Belongs to the recoverin family. |

## Protein Information

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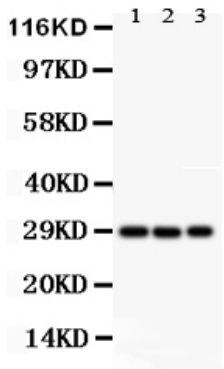
| **Name** | KCNIP3 |
| **Synonyms** | CSEN, DREAM, KCHIP3 |
| **Function** | Calcium-dependent transcriptional repressor that binds to the DRE element of genes including PDYN and FOS. Affinity for DNA is reduced upon binding to calcium and enhanced by binding to magnesium. Seems to be involved in nociception (By similarity). |
| **Cellular Location** | Cytoplasm. Cell membrane; Lipid-anchor. Endoplasmic reticulum. Golgi apparatus. Nucleus. Note=Also membrane-bound, associated with the plasma membrane (PubMed:15485870). In the presence of PSEN2 associated with the endoplasmic reticulum and Golgi. The sumoylated form is present only in the nucleus. |
| **Tissue Location** | Highly expressed in brain. Widely expressed at lower levels. Expression levels are elevated in brain cortex regions affected by Alzheimer disease. |

## Background

KCNIP3, also known as Calsenilin, is a calcium-dependent transcriptional repressor that is highly expressed in central nervous system, thyroid gland, testis, thymus, and immune cells. This gene encodes a member of the family of voltage-gated potassium(Kv) channel-interacting proteins, which belong to the neuronal calcium sensor family of proteins. KCNIP3 is mapped to 2q11.1. The encoded protein functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. KCNIP3-regulated genes have a critical function in Ig subclass production and proliferation in B lymphocytes. KCNIP3 has been shown to interact with PSEN1 and PSEN2.

## Images




Anti- CSEN antibody, ABO11581, Western blottingAll lanes: Anti CSEN (ABO11581) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugLane 3: SHG Whole Cell Lysate at 40ugPredicted bind size: 29KDObserved bind size: 29KD