

Calsenilin Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10539

Specification

Calsenilin Antibody - Product Information

Application	WB
Primary Accession	O9Y2W7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29231

Calsenilin Antibody - Additional Information

Gene ID 30818

Application & Usage

Western blotting (2-6 µg/ml). However, the optimal conditions should be determined individually. The antibody detects ~30 kDa Calsenilin in samples from human, mouse, and rat origins. Jurkat cell lysate can be used as a positive control.

Other Names

KCNIP3 , CSEN , DREAM , KCHIP3 , Calsenilin , KCHIP3 , MGC18289 , KChIP3

Target/Specificity

Calsenilin

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) Protein A affinity purified rabbit anti-Calsenilin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.1% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Calsenilin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Calsenilin Antibody - Protein Information

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

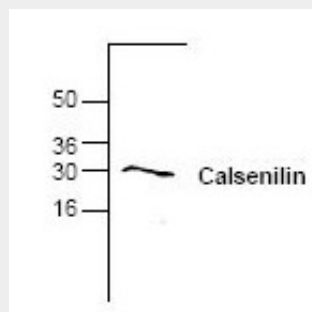
Highly expressed in brain. Widely expressed at lower levels. Expression levels are elevated in brain cortex regions affected by Alzheimer disease.

Calsenilin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calsenilin Antibody - Images



Western blot analysis of Calsenilin expression with Jurkat cell lysate.

Calsenilin Antibody - Background

Calsenilin is also known as DREAM and KChIP3. Calsenilin interacts with presenilin-2, a protein involved in Alzheimer's disease, to reverse presenilin mediated enhancement of calcium signaling. Calsenilin also has pro-apoptotic function, is a substrate for caspase-3, acts as a calcium regulated transcriptional suppressor, and interacts with A-type potassium channels.