

**KCNIP3 / Dream / Calsenilin Antibody (aa29-78)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14729****Specification**

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**KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - Product Information**

Application	IF, WB, IHC
Primary Accession	<a href="#">O9Y2W7</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

**KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - Additional Information****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

**Target/Specificity**

Calsenilin/KCNIP3 antibody detects endogenous levels of total Calsenilin/KCNIP3 protein.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

KCNIP3 / Dream / Calsenilin Antibody (aa29-78) is for research use only and not for use in diagnostic or therapeutic procedures.

**KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - 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.

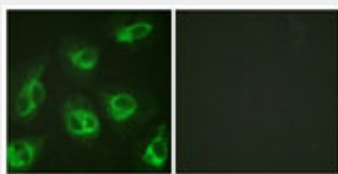
**Volume**

50  $\mu$ l

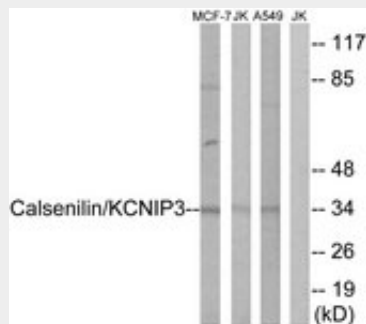
**KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - Protocols**

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

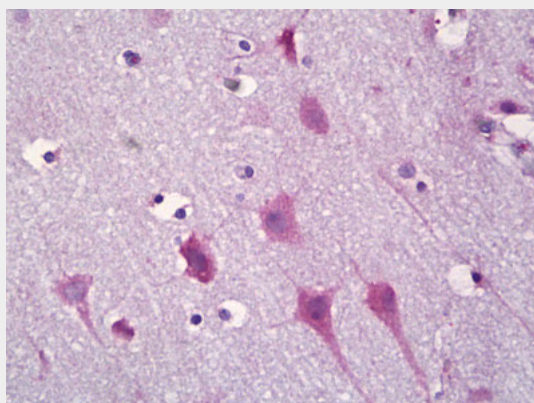
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - Images**

Immunofluorescence of HeLa cells, using Calsenilin/KCNIP3 antibody.



Western blot of extracts from MCF-7/Jurkat/A549 cells, using Calsenilin/KCNIP3 antibody.



Anti-KCNIP3 / CSEN antibody IHC of human brain, cortex neurons.

#### **KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - Background**

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). May play a role in the regulation of PSEN2 proteolytic processing and apoptosis. Together with PSEN2 involved in modulation of beta-amyloid formation.

#### **KCNIP3 / Dream / Calsenilin Antibody (aa29-78) - References**

Buxbaum J.D.,et al.Nat. Med. 4:1177-1181(1998).  
Carrion A.M.,et al.Nature 398:80-84(1999).  
An W.F.,et al.Nature 403:553-556(2000).  
Pruunsild P.,et al.Genomics 86:581-593(2005).  
Isbrandt D.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.