

Datasheet for ABIN7595805  
**anti-DREAM antibody (AA 1-256) (FL650)**



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## Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 200 µL                                                |
| Target:              | DREAM (KCNIP3)                                        |
| Binding Specificity: | AA 1-256                                              |
| Reactivity:          | Rat                                                   |
| Host:                | Mouse                                                 |
| Clonality:           | Monoclonal                                            |
| Conjugate:           | This DREAM antibody is conjugated to FL650            |
| Application:         | Immunohistochemistry (IHC), Immunocytochemistry (ICC) |

## Product Details

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Anti-KChIP3 K+ Channel Antibody FL650 Conjugate                                                                                                                                                                                                                                |
| Immunogen:        | Fusion protein amino acids 1-256 (full length) of rat Calsenillin/DREAM/KChIP3 (accession number Q9JM47) produced recombinantly in E. Coli                                                                                                                                     |
| Clone:            | K66-38                                                                                                                                                                                                                                                                         |
| Isotype:          | IgG2a                                                                                                                                                                                                                                                                          |
| Specificity:      | No off-targets reported for rat KChIPs 1,2, 4                                                                                                                                                                                                                                  |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                                                                                                                                                              |
| Characteristics:  | Description: Our Anti-KChIP3 K+ channel mouse monoclonal primary antibody is produced in-house from hybridoma clone K66/38. It is KO validated, detects human, mouse, and rat KChIP3 K+ channel, and is purified by Protein A chromatography. It is great for use in IHC, ICC. |

## Product Details

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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Manufacturer Comment: We produce our KChIP3 K+ channel mouse monoclonal primary antibody from hybridoma clone K66/38. It is great in IHC, ICC and is purified by Protein A chromatography. |
| Purification: | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb.                                                   |
| Purity:       | > 90 % specific antibody                                                                                                                                                                   |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | DREAM (KCNIP3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Name: | KChIP3 K+ channel ( <a href="#">KCNIP3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background:       | <p>Synonyms: Calsenilin (A-type potassium channel modulatory protein 3) (DRE-antagonist modulator) (DREAM) (Kv channel-interacting protein 3) (KChIP3)</p> <p>Target Description: Kchip3 potassium channel, also known as Kv channel-interacting protein 3, Kcnip3, DREantagonist modulator and Dream is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin or neuronal calcium sensor (NCS) family branch of the EF-hand superfamily. Kchip3 is an integral subunit component of native Kv4 channel complexes that may regulate A-type currents and function as a calcium regulated transcriptional repressor. Kchip3 is detected in brain, specifically in the cortex, thalamus, dentate gyrus and cerebellum and can be found throughout the cell. It is also found in other tissues at low levels. Diseases associated with KCNIP3 include alzheimer disease.</p> <p>Gene Name Alternatives: Kcnip3 Csen Dream Kchip3</p> |
| Molecular Weight: | 34 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|                |                       |
|----------------|-----------------------|
| Format:        | Liquid                |
| Concentration: | 0.5 mg/mL             |
| Buffer:        | PBS with 0.09 % azide |

## Handling

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|                    |                                                                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                    |
| Storage Comment:   | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| Expiry Date:       | 12 months                                                                                                                                                                                      |