Datasheet for ABIN7043014

anti-CALHM1 antibody (C-Term, Intracellular) (Atto 594)

2 Images

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Overview

Quantity:	50 µL
Target:	CALHM1
Binding Specificity:	AA 252-265, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CALHM1 antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EAMNHDLELGHTHG, corresponding to amino acid residues 252-265 of human CALHM1
Isotype:	IgG
Characteristics:	Anti-CALHM1 Antibody (ABIN7043013, ABIN7044044 and ABIN7044045)) is a highly specific antibody directed against an epitope of the human calcium homeostasis modulator protein 1. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize CALHM1 from rat, mouse, and human samples. \nAnti-CALHM1-ATTO Fluor-594 Antibody (#ABIN7043014) is directly labeled with an ATTO-594 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. The ATTO-594 fluorescent label belongs to the class of Rhodamine dyes and can be used with fluorescent equipment typically

Product Details

	optimized to detect Texas Red and Alexa-594. Anti-CALHM1-ATTO Fluor-594 Antibody has been tested in immunohistochemistry applications and is especially suited for experiments requiring simultaneous labeling of different markers.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	CALHM1
Alternative Name:	CALHM1 (CALHM1 Products)
Background:	Alternative names: CALHM1, Calcium homeostasis modulator 1, FAM26C
Gene ID:	255022
NCBI Accession:	NM_001001412
UniProt:	Q8IU99

Application Details

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

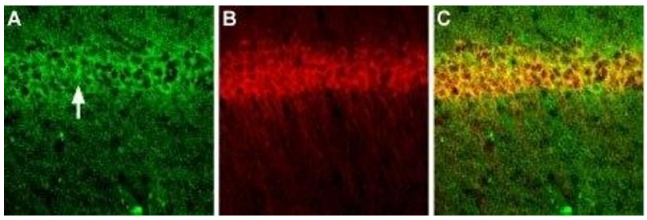
Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the

Handling

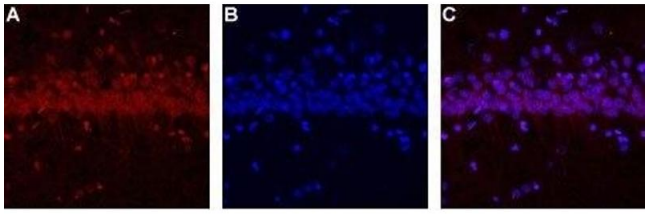
light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Immunohistochemistry

Image 1. Multiplex staining of GluN1 and CALHM1 in mouse hippocampal CA1 region - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Anti-NMDAR1 (GluN1) (extracellular) Antibody (ABIN7043242, ABIN7044322 and ABIN7044323), (1:200) and Anti-CALHM1-ATTO Fluor-594 Antibody (ABIN7043014), (1:60). A. Sections were stained with Anti-NMDAR1 (GluN1) (extracellular) Antibody, followed by goat-anti-rabbit-Cy2 (green). Staining reveals expression in neurons of the pyramidal layer (an arrow points at the layer). B. The same section was incubated with Anti-CALHM1-ATTO Fluor-594 Antibody, (red). C. Merge of the two images demonstrates colocalization of GluN1 and CALHM1 in pyramidal neurons.



Immunohistochemistry

Image 2. Expression of CALHM1 in rat hippocampus - Immunohistochemical staining of rat hippocampus using Anti-CALHM1-ATTO Fluor-594 Antibody (ABIN7043014). A. Staining of CALHM1 appears only in the hippocampal CA1 pyramidal layer. B. Nuclear staining using DAPI as the counterstain. C. Merge of A and B.