

Datasheet for ABIN7043535

## anti-KCND2 antibody (C-Term, Intracellular) (Atto 633)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	50 µL
Target:	KCND2
Binding Specificity:	AA 454-469, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND2 antibody is conjugated to Atto 633
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SNQLQSSEDEPAFVSK, corresponding to amino acid residues 454-469 of rat KV4.2
Isotype:	IgG
Characteristics:	Anti-KV4.2 Antibody (ABIN7043534, ABIN7044928 and ABIN7044929)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunoprecipitation, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize KV4.2 from human, rat, and mouse samples. \nAnti-KV4.2-ATTO Fluor-633 Antibody (#ABIN7043535) is directly labeled with an ATTO-633 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. ATTO 633 has a maximum absorption at 629 nm and a maximum fluorescence at 657 nm. The fluorescence is excited most efficiently

## Product Details

in the range 610 to 645 nm. This label is analogous to the well-known dyes Alexa 647, Alexa 633 and Cy5. Anti-KV4.2-ATTO Fluor-633 Antibody is especially suited for experiments requiring simultaneous labeling of different markers.

Purification: Affinity purified on immobilized antigen.

## Target Details

Target:	KCND2
Alternative Name:	KV4.2 ( <a href="#">KCND2 Products</a> )
Background:	Alternative names: KV4.2, Voltage-gated potassium channel subfamily D member 2, KCND2, Shal1, RK5
Gene ID:	65180
NCBI Accession:	<a href="#">NM_012281</a>
UniProt:	<a href="#">Q63881</a>

## Application Details

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

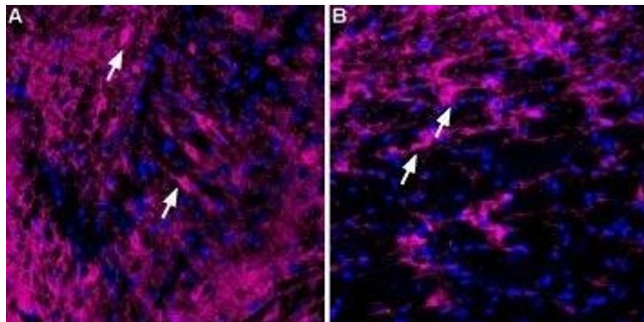
## Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	1 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.

## Handling

Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the 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.** Expression of KV4.2 in substantia nigra - Immunohistochemical staining of perfusion-fixed frozen mouse and rat brain sections using Anti-KV4.2-ATTO Fluor-633 Antibody (ABIN7043535), (1:60). A. Mouse brain. B. Rat brain. KV4.2 staining (magenta) in both sections is detected in cells with neuronal outline (arrows). DAPI is used as the counterstain (blue).