Datasheet for ABIN7043819

anti-TRPC3 antibody (C-Term, Intracellular) (Atto 594)

3 Images

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Overview

Quantity:	50 µL
Target:	TRPC3
Binding Specificity:	AA 822-835, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPC3 antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: HKLSEKLNPSVLRC, corresponding to amino acid residues 822-835 of mouse TRPC3
Isotype:	IgG
Characteristics:	Anti-TRPC3 Antibody (ABIN7043820, ABIN7043966 and ABIN7043967)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, immunocytochemistry, and indirect flow cytometry applications. It has been designed to recognize TRPC3 from mouse, rat, and human samples. \nAnti-TRPC3-ATTO Fluor-594 Antibody (#ABIN7043819) is directly labeled with 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

Product Details

	equipment typically optimized to detect Texas Red and Alexa-594. Anti-TRPC3-ATTO Fluor-594 Antibody can be used in immunohistochemistry applications and is specially suited to experiments requiring simultaneous labeling of different markers.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	TRPC3
Alternative Name:	TRPC3 (TRPC3 Products)
Background:	Alternative names: TRPC3, Short transient receptor potential channel 3, Transient receptor protein 3, TRP3
Gene ID:	22065
NCBI Accession:	NM_003305
UniProt:	Q9QZC1

Application Details

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

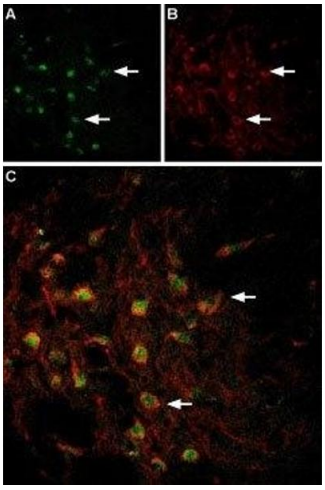
Handling

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

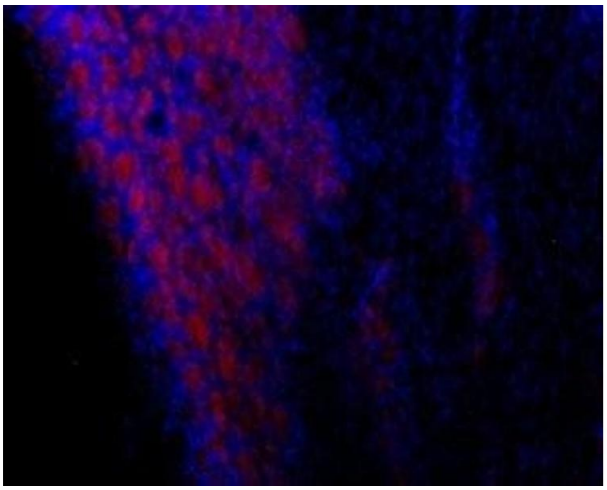
Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



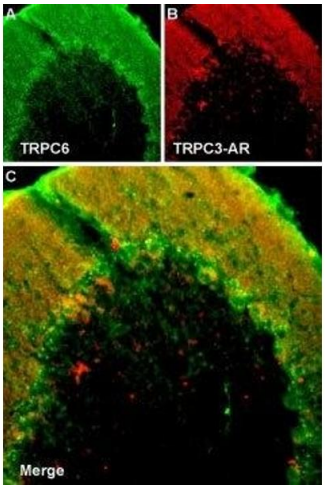
Immunohistochemistry

Image 1. Multiplex staining of VMAT2 and TRPC3 in rat brain - Immunohistochemical staining of perfusion-fixed frozen rat substantia nigra sections using Anti-VMAT2-ATTO Fluor-488 Antibody (ABIN7043689), (1:60) and Anti-TRPC3-ATTO Fluor-594 Antibody (ABIN7043819), (1:60). A. VMAT2 staining (green). B. The same section stained for TRPC3 (red). C. Merged image demonstrates the ubiquitous colocalization of VMAT2 and TRPC3 in cells of the substantia nigra pars compacta. Arrows point at examples of co-expression.



Immunohistochemistry

Image 2. Expression of TRPC3 in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) frozen sections using Anti-TRPC3-ATTO Fluor-594 Antibody (ABIN7043819), (1:50). Staining is present in neuronal cell bodies. Hoechst 33342 is used as the counterstain.



Immunohistochemistry

Image 3. Colocalization of TRPC6 and TRPC3 in rat cerebellum - Immunohistochemical staining of rat cerebellum frozen section using Guinea pig Anti-TRPC6 Antibody (ABIN7043826, ABIN7045362 and ABIN7045363) and rabbit Anti-TRPC3-ATTO Fluor-594 Antibody (ABIN7043819). A. TRPC6 staining (green) appears in molecular layer and in Purkinje cells. B. In the same section as in A, staining of TRPC3 (red) appears as well in both molecular layer and Purkinje cells. C. Merge images of A and B indicates co-localization in Purkinje cells and molecular layer.