

Datasheet for ABIN7043826

anti-TRPC6 antibody (Intracellular, N-Term)



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4 Images

Overview

Quantity:	25 µL
Target:	TRPC6
Binding Specificity:	AA 24-38, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This TRPC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: (C)RRNESQDYLLMDELG, corresponding to amino acid residues 24-38 of mouse TRPC6</p>
Isotype:	IgG
Characteristics:	<p>Guinea pig Anti-TRPC6 Antibody (#), raised in guinea pigs, is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize TRPC6 from mouse, rat, and human samples. The antigen used to immunize guinea pigs is the same as Anti-TRPC6 Antibody (ABIN7043824, ABIN7043968 and ABIN7043969)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.</p>

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

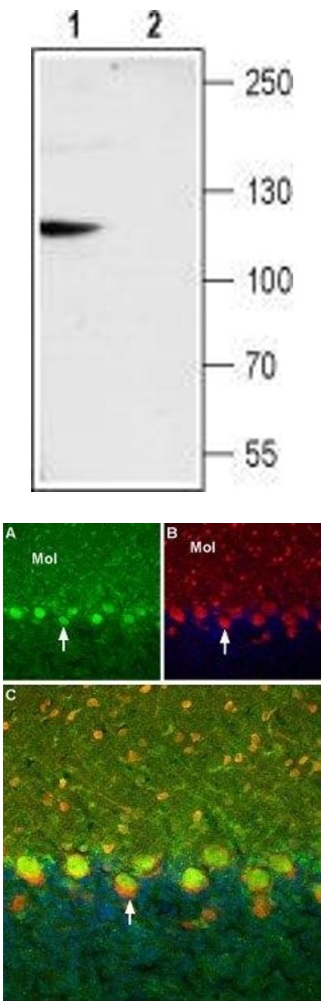
Target:	TRPC6
Alternative Name:	TRPC6 (TRPC6 Products)
Background:	Alternative names: TRPC6, Short transient receptor potential channel 6, Transient receptor protein 6, TRP6
Gene ID:	22068
NCBI Accession:	NM_004621
UniProt:	Q61143

Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.9 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C 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).</p>



Western Blotting

Image 1. Western blot analysis of rat brain membranes: - 1. Guinea pig Anti-TRPC6 Antibody (ABIN7043826, ABIN7045362 and ABIN7045363), (1:200). 2. Guinea pig Anti-TRPC6 Antibody, preincubated with TRPC6 Blocking Peptide (#BLP-CC017).

Immunohistochemistry

Image 2. Expression of TRPC6 in rat cerebellum - Immunohistochemical staining of rat cerebellum using Guinea pig Anti-TRPC6 Antibody (ABIN7043826, ABIN7045362 and ABIN7045363). A. TRPC6 (green) appears in the soma of Purkinje cells (white arrow). B. Parvalbumin (red), a marker of Purkinje and interneuronal cells, is stained in the same section. C. Merge of the images demonstrates intense expression of TRPC6 in the soma of Purkinje cells and lower expression in the molecular (Mol) layer. DAPI is used as the counterstain (blue).

Immunohistochemistry

Image 3. Multiplex staining 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043826.