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Datasheet for ABIN7043815 anti-TRPC1 antibody (Intracellular)

2 Images



Overview

Characteristics:

Purification:

Quantity:	25 µL
Target:	TRPC1
Binding Specificity:	AA 557-571, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: QLYDKGYTSKEQKDC, corresponding to amino acid residues 557-571 of human TRPC1
lsotype:	lgG

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Affinity purified on immobilized antigen.

Anti-TRPC1 Antibody (ABIN7043815, ABIN7043963 and ABIN7043964)) is a highly specific

applications. It has been designed to recognize TRPC1 from human, mouse, and rat samples.

antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry

Target Details

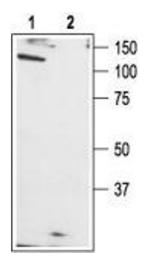
Target:	TRPC1
Alternative Name:	TRPC1 (TRPC1 Products)
Background:	Alternative names: TRPC1, Short transient receptor potential channel 1, Transient receptor protein 1, TRP1
Gene ID:	7220
NCBI Accession:	NM_003304
UniProt:	P48995

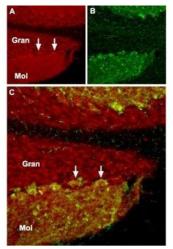
Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	$25\mu\text{L},50\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
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 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).





Western Blotting

Image 1. Western blot analysis of rat brain membranes: -1. Anti-TRPC1 Antibody (ABIN7043815, ABIN7043963 and ABIN7043964), (1:200).2. Anti-TRPC1 Antibody, preincubated with TRPC1 Blocking Peptide (#BLP-CC010).

Immunohistochemistry

Image 2. Expression of TRPC1 in mouse cerebellum -Immunohistochemical staining of mouse cerebellum frozen sections using Anti-TRPC1 Antibody (ABIN7043815, ABIN7043963 and ABIN7043964). A. TRPC1 (red) appears in Purkinje cells (arrows) and in the molecular (Mol) and granule (Gran) layers. B. Staining with mouse antiparvalbumin (PV) in the same brain section. C. Confocal merge of TRPC1 and PV demonstrates partial colocalization in the Purkinje and the molecular layers.

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