

Datasheet for ABIN7043813

**anti-TRPA1 antibody (1st Extracellular Loop)****5** Images[Go to Product page](#)

## Overview

Quantity:	25 µL
Target:	TRPA1
Binding Specificity:	1st Extracellular Loop, AA 747-760
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP), Live Cell Imaging (LCI)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)NSTGIINETSDHSE, corresponding to amino acid residues 747-760 of human TRPA1
Isotype:	IgG
Characteristics:	Anti-TRPA1 (extracellular) Antibody (ABIN7043813, ABIN7044000 and ABIN7044001)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunoprecipitation immunohistochemistry, and live cell imaging applications. It has been designed to recognize TRPA1 from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

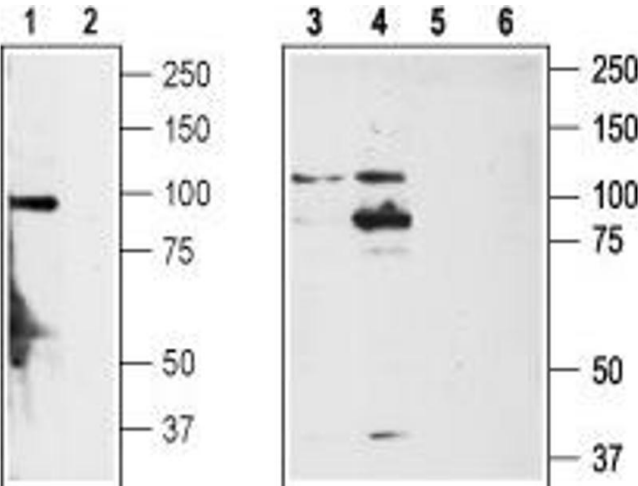
Target:	TRPA1
Alternative Name:	TRPA1 ( <a href="#">TRPA1 Products</a> )
Background:	Alternative names: TRPA1, ANKTM1
Gene ID:	8989
NCBI Accession:	<a href="#">NM_007332</a>
UniProt:	<a href="#">O75762</a>

## Application Details

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

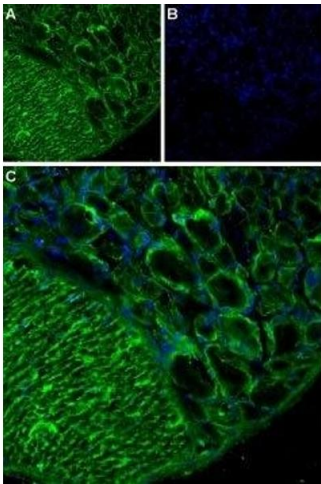
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	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:	<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>



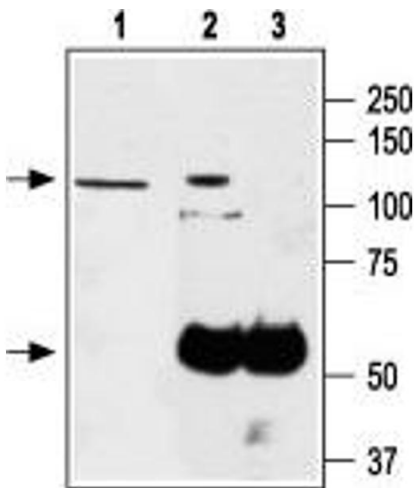
### Western Blotting

**Image 1.** Western blot analysis of rat DRG (lanes 1,2), non-differentiated PC12 cells (lanes 3,5) and differentiated PC12 cells (lanes 4,6) lysates: - 1,3,4. Anti-TRPA1 (extracellular) Antibody (ABIN7043813, ABIN7044000 and ABIN7044001), (1:200).2,5,6. Anti-TRPA1 (extracellular) Antibody, preincubated with TRPA1 (extracellular) Blocking Peptide (#BLP-CC037).



### Immunohistochemistry

**Image 2.** Expression of TRPA1 in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) using Anti-TRPA1 (extracellular) Antibody (ABIN7043813, ABIN7044000 and ABIN7044001) (1:200). A. TRPA1 staining (green) is detected in both cells (horizontal arrow) and processes (vertical arrow). B. Nuclear staining using DAPI as the counterstain. C. Merged image of A and B.



### Immunoprecipitation

**Image 3.** Immunoprecipitation of PC-12 lysates: - 1. PC-12 lysates.2. PC-12 lysates + Anti-TRPA1 (extracellular) Antibody (ABIN7043813, ABIN7044000 and ABIN7044001) (6.5 µg) + protein A beads.3. Anti-TRPA1 (extracellular) Antibody + protein A beads.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7043813.