Datasheet for ABIN185460
anti-TRPC6 antibody (C-Term)
2 Images


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## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | TRPC6 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | This TRPC6 antibody is un-conjugated |
| Conjugate: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |
| Application: |  |

Product Details

| Purpose: | TRPC6 |
| :--- | :--- |
| Immunogen: | Peptide with sequence C-EKLSMEPNQEETN, from the C Terminus of the protein sequence |
| according to NP_004612.2. |  |
| Sequence: | EKLSMEPNQE ETN |
| Isotype: | IgG |
| Cow, Dog, Human, Pig |  |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity |
| chromatography using the immunizing peptide. |  |
| Grade: | Verified |

## Target Details

| Target: | TRPC6 |
| :---: | :---: |
| Alternative Name: | TRPC6 (TRPC6 Products) |
| Background: | TRPC6, transient receptor potential cation channel, subfamily C, member 6, HGNC:12338, TRP6, transient receptor potential channel 6, FLJ11098, FLJ14863, FSGS2, TRP6 |
| Gene ID: | 7225 |
| NCBI Accession: | NP_004612 |
| Application Details |  |
| Application Notes: | Western Blot: Approx 100 kDa band observed in lysates of cell line A549 (calculated MW of 106 kDa according to NP_004612.2). Preliminary experiments also showed 100 kDa in Human Lung lysates and in lysates of cell line HEK293. This molecular weight is routin Peptide ELISA: antibody detection limit dilution 1:2000. |
| Comment: | Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml. |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $0.5 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | Supplied at $0.5 \mathrm{mg} / \mathrm{mL}$ in Tris saline, $0.02 \%$ sodium azide, pH 7.3 with $0.5 \%$ bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Aliquot and store at $-20^{\circ} \mathrm{C}$, with minimal freeze/thawing. A working aliquot may be refrigerated at $4^{\circ} \mathrm{C}$ for a few weeks and still remain viable. |


250 kDa

| A |
| :---: |
| 150 kDa |
| 100 kDa |
| 75 kDa |
| 50 kDa |
| 37 kDa |

25 kDa
20 kDa

15 kDa

Flow Cytometry
Image 1. ABIN185460 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with $0.5 \%$ Triton. Primary incubation $1 \mathrm{hr}(10 \mathrm{ug} / \mathrm{ml})$ followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol

## Western Blotting

Image 2. ABIN185460 ( $1 \mu \mathrm{~g} / \mathrm{ml}$ ) staining of A549 cell lysate $(35 \mu \mathrm{~g}$ protein in RIPA buffer). Detected by chemiluminescence.

