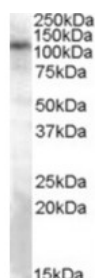




## TRPC4 Antibody

CATALOG NUMBER: 46-913



Western blot analysis of TRPC4 in rat brain lysate (35 ug protein in RIPA buffer) using TRPC4 Antibody at 0.3 ug/mL.

### Specifications

<b>SPECIES REACTIVITY:</b>	Rat
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: Antibody detection limit dilution 1:32,000. Western Blot: Approximately 110 kDa band observed in rat brain lysates (calculated MW of 112 kDa according to human NP_057263.1 and to rat NP_536321.1). Recommended concentration: 0.3-1 ug/mL.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1463 - Rat Brain Tissue Lysate
<b>IMMUNOGEN:</b>	TRPC4 antibody was raised against a 13 amino acid synthetic peptide near the internal region (near C-Terminus) of TRPC4.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	TRPC4 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	TRPC4 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	TRPC4, transient receptor potential cation channel, subfamily C, member 4, HTRP4, MGC119570, MGC119571, MGC119572, MGC119573, TRP4, transient receptor potential 4, HTRP-4
<b>ACCESSION NO.:</b>	NP_057263.1
<b>PROTEIN GI NO.:</b>	7706747
<b>OFFICIAL SYMBOL:</b>	TRPC4

GENE ID: 7223

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### Background

**REFERENCES:** 1) Song X, Zhao Y, Narcisse L, Duffy H, Kress Y, Lee S, Brosnan CF. Canonical transient receptor potential channel 4 (TRPC4) co-localizes with the scaffolding protein ZO-1 in human fetal astrocytes in culture. *Glia*. 2005 Feb;49(3):418-29

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FOR RESEARCH USE ONLY

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