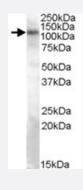


TRPC4 polyclonal antibody

Catalog # PAB11598 Size 100 ug

Applications



Western Blot (Tissue lysate)

TRPC4 polyclonal antibody (Cat # PAB11598) (0.3 ug/mL) staining of rat brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification	
Product Description	Goat polyclonal antibody raised against synthetic peptide of TRPC4.
Immunogen	A synthetic peptide corresponding to human TRPC4.
Sequence	C-KHAKEEDSSIDYD
Host	Goat
Theoretical MW (kDa)	112
Reactivity	Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.

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Product Information

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

• Western Blot (Tissue lysate)

TRPC4 polyclonal antibody (Cat # PAB11598) (0.3 ug/mL) staining of rat brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

• Enzyme-linked Immunoabsorbent Assay

Gene Info — TRPC4

Entrez GenelD	7223
Protein Accession#	<u>NP_057263.1</u>
Gene Name	TRPC4
Gene Alias	HTRP4, MGC119570, MGC119571, MGC119572, MGC119573, TRP4
Gene Description	transient receptor potential cation channel, subfamily C, member 4
Omim ID	<u>603651</u>
Gene Ontology	Hyperlink
Gene Summary	subfamily C
Other Designations	OTTHUMP00000018272 transient receptor potential 4

Publication Reference

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Product Information

 Impaired Orai1-mediated Resting Ca2+ Entry Reduces the Cytosolic [Ca2+] and Sarcoplasmic Reticulum Ca2+ Loading in Quiescent Junctophilin 1 Knock-out Myotubes.

Li H, Ding X, Lopez JR, Takeshima H, Ma J, Allen PD, Eltit JM. The Journal of Biological Chemistry 2010 Dec; 285(50):39171.

Application: WB, Human, Myotube

<u>Canonical transient receptor potential channel 4 (TRPC4) co-localizes with the scaffolding protein ZO-1 in human fetal astrocytes in culture.</u>

Song X, Zhao Y, Narcisse L, Duffy H, Kress Y, Lee S, Brosnan CF. Glia 2005 Feb; 49(3):418.

Application: ICC, IEM, IP, WB, Human, Human fetal astrocytes

Disease

- Anorexia Nervosa
- <u>Bulimia</u>
- Epilepsy
- Genetic Predisposition to Disease
- <u>Tobacco Use Disorder</u>