

ARG64656 anti-TRPC4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TRPC4
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise all six reported isoforms (NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPC4
Species	Human
Immunogen	C-KHAKEEDSSIDYD
Conjugation	Un-conjugated
Alternate Names	HTRP-4; HTRP4; Trp-related protein 4; hTrp4; hTrp-4; TrpC4; Short transient receptor potential channel 4; TRP4

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

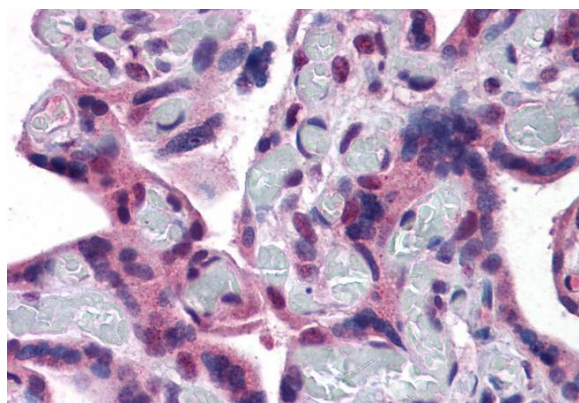
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 22066 Mouse GeneID: 7223 Human Swiss-port # Q9QUQ5 Mouse Swiss-port # Q9UBN4 Human
Background	<p>This gene encodes a member of the canonical subfamily of transient receptor potential cation channels. The encoded protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. Single nucleotide polymorphisms in this gene may be associated with generalized epilepsy with photosensitivity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]</p>
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	112 kDa
PTM	Phosphorylation modulates TRPC channel function by regulating the level of TRPC4 at the cell surface and by increasing the association with SLC9A3R1/NHERF.

Images



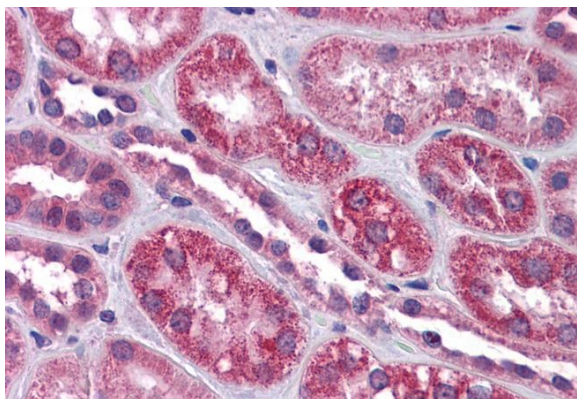
ARG64656 anti-TRPC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64656 anti-TRPC4 antibody at 4.75 µg/ml dilution followed by AP-staining.



ARG64656 anti-TRPC4 antibody WB image

Western blot: 35 μ g of Rat brain lysate (in RIPA buffer) stained with ARG64656 anti-TRPC4 antibody at 0.3 μ g/ml dilution and incubated at RT for 1 hour.



ARG64656 anti-TRPC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64656 anti-TRPC4 antibody at 4.75 μ g/ml dilution followed by AP-staining.