

ARG22233
anti-TRPC7 antibody [S64A-36]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S64A-36] recognizes TRPC7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	Detects ~100kDa.
Host	Mouse
Clonality	Monoclonal
Clone	S64A-36
Isotype	IgG1
Target Name	TRPC7
Species	Human
Immunogen	Synthetic peptide around aa. 845-862 of Human TrpC7
Conjugation	Un-conjugated
Alternate Names	hTRP7; Transient receptor protein 7; TrpC7; Short transient receptor potential channel 7; TRP-7; TRP7

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	IHC-P	1:100
	IP	Assay-dependent
	WB	1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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.

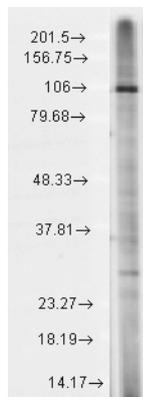
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 26946 Mouse GeneID: 57113 Human Swiss-port # Q9HCX4 Human Swiss-port # Q9WVC5 Mouse
Gene Symbol	TRPC7
Gene Full Name	transient receptor potential cation channel, subfamily C, member 7
Function	Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) (By similarity). May also be activated by intracellular calcium store depletion. [UniProt]
Calculated Mw	100 kDa
PTM	Phosphorylation by PRKG1 at Thr-15 negatively regulates TRPC7 activity.
Cellular Localization	Membrane

Images



ARG22233 anti-TRPC7 antibody [S64A-36] WB image

Western blot: Rat brain membrane lysate stained with ARG22233 anti-TRPC7 antibody [S64A-36] at 1:1000 dilution.