

## ARG22234 anti-TRPC5 antibody [S67-15]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [S67-15] recognizes TRPC5
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Specificity	Detects ~110kDa.
Host	Mouse
Clonality	Monoclonal
Clone	S67-15
Isotype	IgG2b
Target Name	TRPC5
Species	Human
Immunogen	Synthetic peptide around aa. 827-845 of Human TrpC5
Conjugation	Un-conjugated
Alternate Names	hTRP-5; hTRP5; PPP1R159; Transient receptor protein 5; TrpC5; TRP-5; Short transient receptor potential channel 5; TRP5

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:1000
	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

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#### Database links

[GeneID: 22067 Mouse](#)

[GeneID: 7224 Human](#)

[Swiss-port # Q9QX29 Mouse](#)

[Swiss-port # Q9UL62 Human](#)

#### Gene Symbol

TRPC5

#### Gene Full Name

transient receptor potential cation channel, subfamily C, member 5

#### Background

This gene belongs to the transient receptor family. It encodes one of the seven mammalian TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H+ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1). [provided by RefSeq, May 2010]

#### 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. Has also been shown to be calcium-selective (By similarity). May also be activated by intracellular calcium store depletion. [UniProt]

#### Calculated Mw

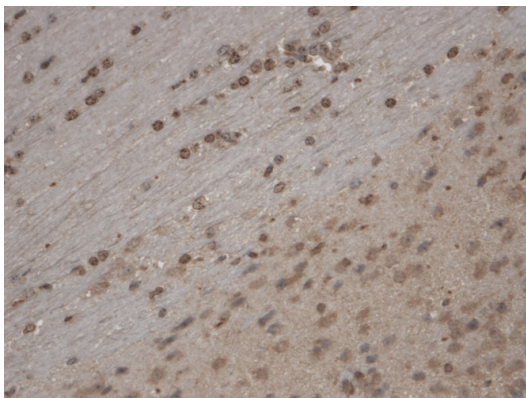
111 kDa

#### Cellular Localization

Membrane

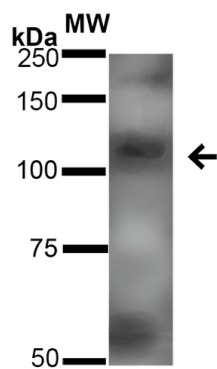
## Images

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#### ARG22234 anti-TRPC5 antibody [S67-15] IHC image

Immunohistochemistry: 10% Formalin (12-24 hours at RT) fixed Mouse Brain slice stained with ARG22234 anti-TRPC5 antibody [S67-15] (brown) at 1:1000 dilution (1 hour). Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500uL for 5 minutes at RT.



#### ARG22234 anti-TRPC5 antibody [S67-15] WB image

Western blot: 20 µg of Rat Brain Membrane cell lysate. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary antibody: ARG22234 anti-TRPC5 antibody [S67-15] at 1:1000 for 16 hours at 4°C. Secondary antibody: Goat anti-Mouse IgG: HRP at 1:100 for 60 min at RT. Color Development: ECL solution for 6 min in RT.