

TRPC5 Antibody (clone S67-15) Mouse Monoclonal Antibody Catalog # ALS15322

Specification

TRPC5 Antibody (clone S67-15) - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW IHC <u>Q9UL62</u> Human, Mouse, Rat Mouse Monoclonal 111kDa KDa

TRPC5 Antibody (clone S67-15) - Additional Information

Gene ID 7224

Other Names Short transient receptor potential channel 5, TrpC5, Transient receptor protein 5, TRP-5, hTRP-5, hTRP5, TRPC5, TRPC5, TRP5

Target/Specificity ~110kDa.

Reconstitution & Storage Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions TRPC5 Antibody (clone S67-15) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPC5 Antibody (clone S67-15) - Protein Information

Name TRPC5

Synonyms TRP5

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. Mediates calcium-dependent phosphatidylserine externalization and apoptosis in neurons via its association with PLSCR1 (By similarity).

Cellular Location Cell membrane; Multi-pass membrane protein



Tissue Location

Expressed in brain with higher levels in fetal brain. Found in cerebellum and occipital pole

TRPC5 Antibody (clone S67-15) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

TRPC5 Antibody (clone S67-15) - Images



Anti-TRPC5 antibody IHC of human brain, cortex.



Anti-TRPC5 antibody IHC of human brain, cerebellum.

TRPC5 Antibody (clone S67-15) - Background

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TRPC5 Antibody (clone S67-15) - References

Sossey-Alaoui K.,et al.Genomics 60:330-340(1999). Ross M.T.,et al.Nature 434:325-337(2005). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Philipp S.,et al.EMBO J. 17:4274-4282(1998). Hofmann T.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:7461-7466(2002).