

TRPC7 Antibody (aa845-862, clone S64A-36)
Mouse Monoclonal Antibody
Catalog # ALS14987**Specification**

TRPC7 Antibody (aa845-862, clone S64A-36) - Product Information

Application	IF, IHC
Primary Accession	O9HCX4
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	100kDa KDa

TRPC7 Antibody (aa845-862, clone S64A-36) - Additional Information**Gene ID** 57113**Other Names**

Short transient receptor potential channel 7, TrpC7, Transient receptor protein 7, TRP-7, hTRP7, TRPC7, TRP7

Target/Specificity

Detects ~100 kD protein.

Reconstitution & Storage

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

Precautions

TRPC7 Antibody (aa845-862, clone S64A-36) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPC7 Antibody (aa845-862, clone S64A-36) - Protein Information**Name** TRPC7**Synonyms** TRP7**Function**

Forms 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.

Cellular Location

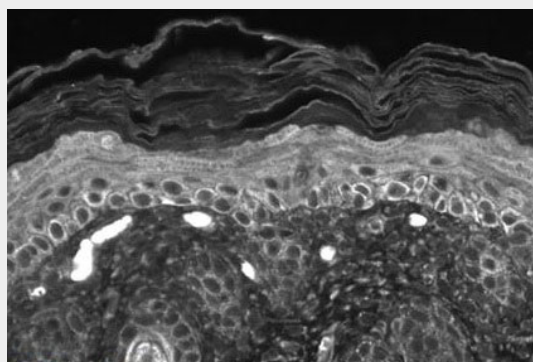
Cell membrane; Multi-pass membrane protein. Nucleus envelope

TRPC7 Antibody (aa845-862, clone S64A-36) - Protocols

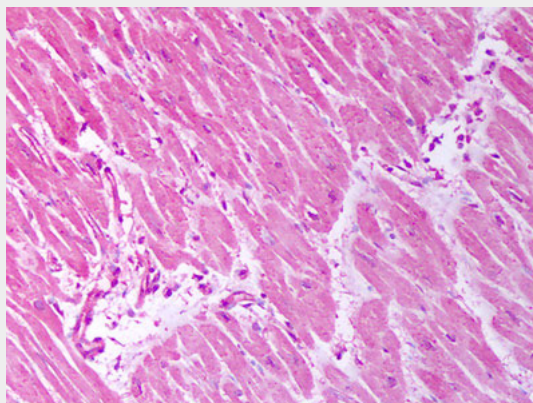
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRPC7 Antibody (aa845-862, clone S64A-36) - Images



IF analysis of TrpC7 in mouse back skin sections using a dilution of TRPC7 antibody.



Anti-TRPC7 antibody IHC of human heart.

TRPC7 Antibody (aa845-862, clone S64A-36) - Background

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.

TRPC7 Antibody (aa845-862, clone S64A-36) - References

Murphy C.T.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Xu S.-Z.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
Aptel H.,et al.Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.

Schmutz J.,et al.Nature 431:268-274(2004).

Lussier M.P.,et al.J. Biol. Chem. 280:19393-19400(2005).