10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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	Q9HCX4
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
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.

Cellular Location
Cell membrane; Multi-pass membrane protein. Nucleus envelope

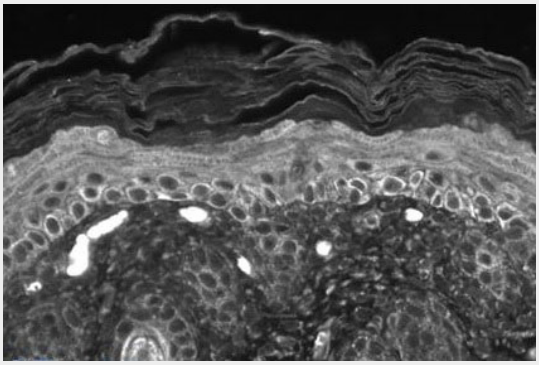
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TRPC7 Antibody (aa845-862, clone S64A-36) - Protocols

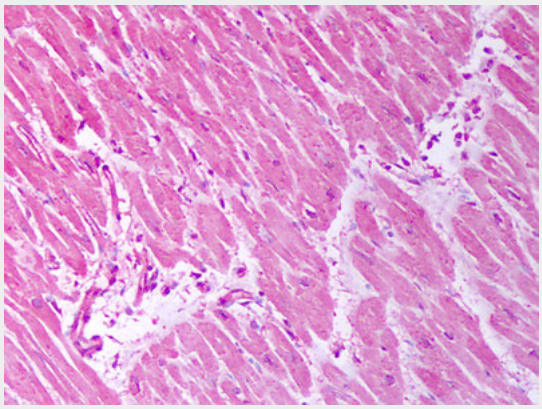
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).