

Product datasheet for **TA326454**

TRP 7 (TRPC7) Mouse Monoclonal Antibody [Clone ID: S64A-36]

Product data:

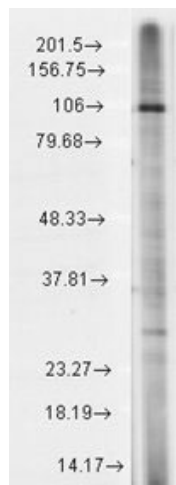
Product Type:	Primary Antibodies
Clone Name:	S64A-36
Applications:	IF, WB
Recommended Dilution:	WB: 1-10ug/ml, IHC: 0.1-1.0ug/ml, IF: 1.0-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 845-862 of human TRPC7
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transient receptor potential cation channel subfamily C member 7
Database Link:	NP_065122 Entrez Gene 26946 MouseEntrez Gene 282822 RatEntrez Gene 57113 Human Q9HCX4
Background:	Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a non-selective cation channel that is directly activated by DAG. TrpC7 shows constitutive activity and susceptibility to negative regulation by extracellular Ca ²⁺ . Because of this, TrpC7 plays an important role in the Ca ²⁺ signaling pathway. TrpC7 is also expressed abundantly in the heart, and combined with its ability to act as a Ca ²⁺ channel, TrpC7 might contribute to the process of heart failure.
Synonyms:	TRP7
Note:	Detects ~100kDa.



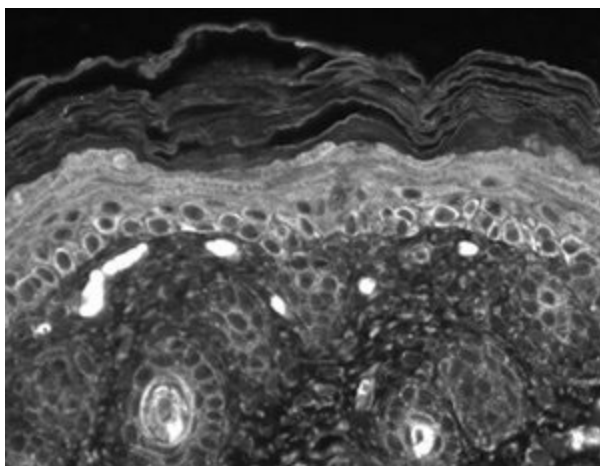
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Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



Western blot analysis of TrpC7 in rat brain membrane lysates using a 1:1000 dilution of the antibody



IF analysis of TrpC7 in mouse backskin sections using a dilution of the antibody