Best Tools for immunology Research

TRPC3 Polyclonal Antibody

Catalog No :	YT5520
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	TRPC3
Fields :	>>Axon guidance;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	TRPC3
Protein Name :	Short transient receptor potential channel 3
Human Gene Id :	7222
Human Swiss Prot No :	Q13507
Mouse Swiss Prot No :	Q9QZC1
Rat Swiss Prot No :	Q9JMI9
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human TRPC3. AA range:411-460
Specificity :	TRPC3 Polyclonal Antibody detects endogenous levels of TRPC3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 97kD

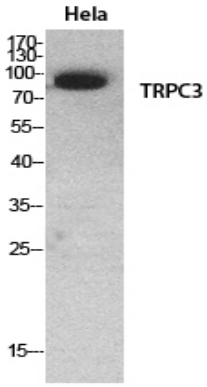
Background : transient receptor potential cation channel subfamily C member 3(TRPC3) Homo sapiens The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

Function : 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) in a membrane-delimited fashion, independently of protein kinase C, and by inositol-1,4,5-triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.,similarity:Belongs to the transient receptor family. STrpC subfamily.,similarity:Contains 5 ANK repeats.,subunit:Interacts with TRPC1. Interacts with ITPR3. Interacts with MX1 and RNF24.,tissue specificity:Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis.,

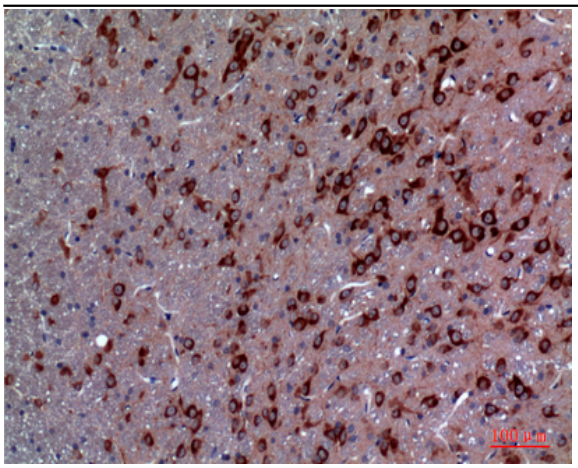
Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis.

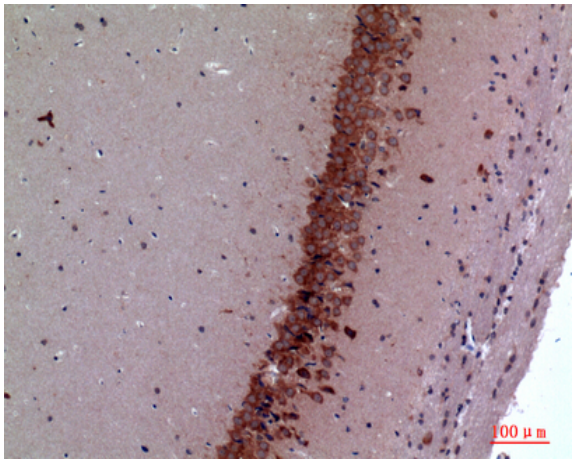
Products Images



Western Blot analysis of HeLa cells using TRPC3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100