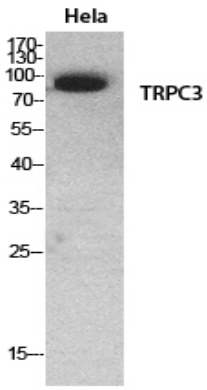
Best Tools for immunology Research

TRPC3 Polyclonal Antibody

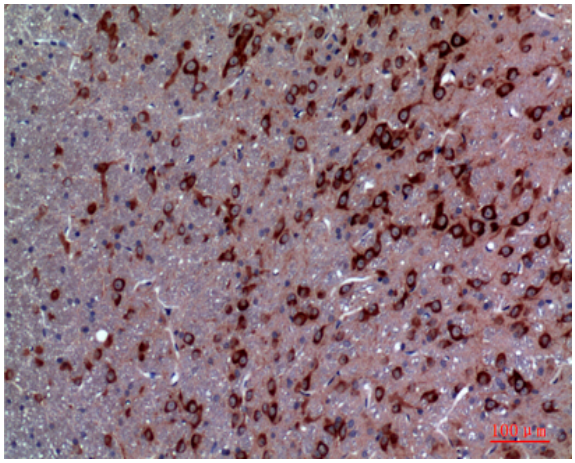
Catalog No :	YT5520
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	TRPC3
Fields :	>>Axon guidance;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	TRPC3
Protein Name :	Short transient receptor potential channel 3
Human Gene Id :	7222
Human 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.
Sort :	23601
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

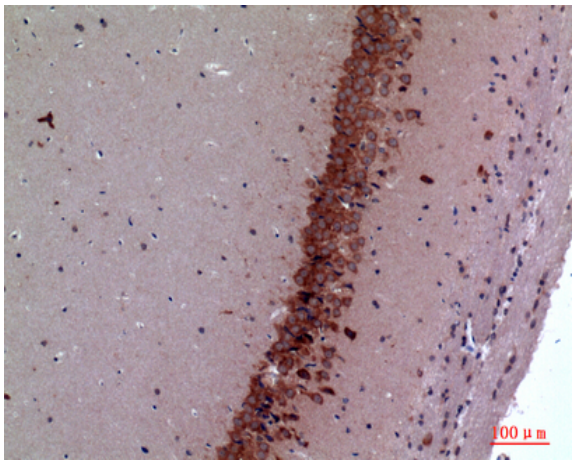
Products Images



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