



TRPC3 Monoclonal Antibody

Catalog No	YP-mAb-16526
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TRPC3
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human TRPC3. AA range:411-460
Specificity	TRPC3 Monoclonal Antibody detects endogenous levels of TRPC3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Htrp 3;Htrp3;MGC124333;Mtrp3;Receptor activated cation channel TRP3;Short transient receptor potential channel 3;Transient receptor potential cation channel subfamily C member 3;transient receptor potential cation channel subfamily C member 3 variant c;Transient receptor potential channel 3;TRANSIENT RECEPTOR POTENTIAL DROSOPHILA HOMOLOG OF 3;Transient receptor protein 3;Trp related protein 3;TRP3;TrpC3;Trp3;TRP-3;hTrp-3
Observed Band	97kD
Calculated Molecular Weight	97kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis.
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. STpC 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.,

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]

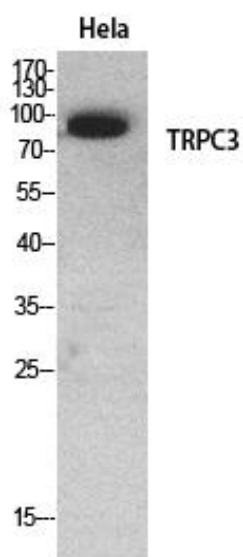
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For
more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TRPC3
Monoclonal Antibody