



RYR1 mouse mAb

Catalog No	YP-mAb-18390
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RYR1 RYDR
Immunogen	Synthesized peptide derived from human RYR1
Specificity	This antibody detects endogenous levels of RYR1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCO;MHS;MHS1;Ryanodine receptor 1;RYDR;RYR;RYR 1;RYR1;RYR1/2/3;SKRR;RYR1 RYDR;Ryanodine receptor 1 (RYR-1) (RyR1) (Skeletal muscle calcium release channel) (Skeletal muscle ryanodine receptor) (Skeletal muscle-type ryanodine receptor) (Type 1 ryanodine receptor)
Observed Band	554kD
Calculated Molecular Weight	565 kDa
Cell Pathway	Sarcoplasmic reticulum membrane ; Multi-pass membrane protein . Sarcoplasmic reticulum . The number of predicted transmembrane domains varies between orthologs, but the 3D-structures show the presence of six transmembrane regions. Both N-terminus and C-terminus are cytoplasmic. .
Tissue Specificity	Skeletal muscle and brain (cerebellum and hippocampus).
Function	Calcium channel that mediates the release of Ca(2+) from the sarcoplasmic reticulum into the cytoplasm and thereby plays a key role in triggering muscle contraction following depolarization of T-tubules . Repeated very high-level exercise increases the open probability of the channel and leads to Ca(2+) leaking into the cytoplasm . Can also mediate the release of Ca(2+) from intracellular stores in neurons, and may thereby promote prolonged Ca(2+) signaling in the brain. Required for normal embryonic development of muscle



fibers and skeletal muscle. Required for normal heart morphogenesis, skin development and ossification during embryogenesis (By similarity).

Background

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

