

RYR1 Rabbit pAb

CatalogNo: YN7524

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 554kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human RYR1

Specificity

This antibody detects endogenous levels of RYR1 at Human, Mouse, Rat

Target Information

Gene name

RYR1 RYDR

Protein Name	Ryanodine receptor 1 (RYR-1) (RyR1) (Skeletal muscle calcium release channel) (Skeletal muscle ryanodine receptor) (Skeletal muscle-type ryanodine receptor) (Type 1 ryanodine receptor)		
	Organism	Gene ID	UniProt ID
	Human	6261 ;	P21817 ;
	Mouse	20190 ;	E9PZQ0 ;
	Rat		F1LMY4 ;
Cellular Localization	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).		

| Validation Data

| Contact information

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