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Datasheet for ABIN7043606

anti-RYR3 antibody (Intracellular, N-Term)

2 Images

Overview

Quantity:	25 µL
Target:	RYR3
Binding Specificity:	AA 935-949, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CHIAHVNPAAEEDLK, corresponding to amino acid residues 935-949 of human RyR3
Isotype:	IgG
Characteristics:	Anti-Ryanodine Receptor 3 Antibody (ABIN7043606, ABIN7045215 and ABIN7045216)) is a highly specific antibody directed against an epitope of human RyR3. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize RyR3 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

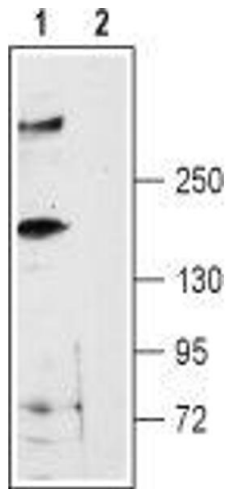
Target:	RYR3
Alternative Name:	Ryanodine Receptor 3 (RYR3 Products)
Background:	Alternative names: Ryanodine Receptor 3, RyR3, Brain-type ryanodine receptor
Gene ID:	6263
NCBI Accession:	NM_001036
UniProt:	Q15413
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

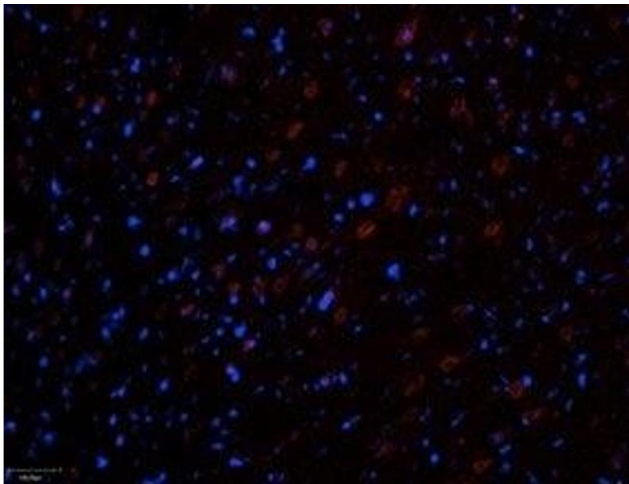
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of rat brain membranes: -
 1. Anti-Ryanodine Receptor 3 Antibody (ABIN7043606, ABIN7045215 and ABIN7045216), (1:200). 2. Anti-Ryanodine Receptor 3 Antibody, preincubated with Ryanodine Receptor 3 Blocking Peptide (#BLP-RR003).



Immunohistochemistry

Image 2. Expression of RyR3 in rat cortex -
 Immunohistochemical staining of rat brain frozen sections with Anti-Ryanodine Receptor 3 Antibody (ABIN7043606, ABIN7045215 and ABIN7045216), (red), (1:100). RyR3 is widely expressed in neurons of the cortex. Hoechst 33342 is used as the counterstain.