

ATP2A1 (DGR32862) Mouse mAb

db21751

Package : 10µL 20µL 50µL 100µL

Product Name : ATP2A1 (DGR32862) Mouse mAb**Cat.No.:** db21751**Synonyms** : ATP2A; SERCA1**Application** : WB, IHC**Reactivity** : Human, Mouse**Host species** : Mouse**Background**

This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in three transcript variants encoding different isoforms. [provided by RefSeq, Oct 2013]

Immunogen

Recombinant protein of human ATP2A1

Gene ID

487

Swiss Prot

O14983

Synonyms

ATP2A; SERCA1

Reactivity

Human, Mouse

Application

WB, IHC

Recommended dilution

WB: 1:1000

IHC: 1:1000

Calculated MW

110 kDa

Observed MW

110 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

DGR32862

Isotype

IgG1

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.