

Recombinant

DGRmAb®

## PMCA1 (DGR14854) Rabbit mAb

db12009

Package : 10µL 20µL 50µL 100µL

**Product Name :** PMCA1 (DGR14854) Rabbit mAb**Cat.No.:** db12009**Synonyms :** PMCA1; PMCA1kb**Application :** WB, IHC-P, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 1. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human PMCA1

**Gene ID**

490

**Swiss Prot**

P20020

**Synonyms**

PMCA1; PMCA1kb

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:200-1:500

IP: 1:20-1:50

**Calculated MW**

139 kDa

**Observed MW**

130-250 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14854
Isotype	IgG
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.

