

Recombinant

DGRmAb®

## Calpain 1 (DGR14045) Rabbit mAb

db15448

Package : 10µL 20µL 50µL 100µL

**Product Name :** Calpain 1 (DGR14045) Rabbit mAb**Cat.No.:** db15448**Synonyms :** CANP; muCL; CANP1; SPG76; CANPL1; muCANP**Application :** WB, IHC-P, ICC/IF, FC**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

**Immunogen**

A synthetic peptide of human Calpain 1

**Gene ID**

823

**Swiss Prot**

P07384

**Synonyms**

CANP; muCL; CANP1; SPG76; CANPL1; muCANP

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:50

FC: 1:200-1:500

**Calculated MW**

82 kDa

**Observed MW**

82 kDa

**Host species**

Rabbit

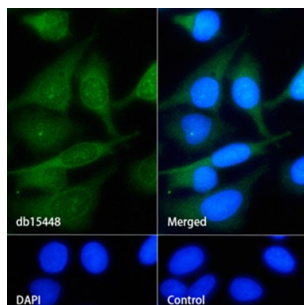
**Clonality**

Monoclonal

**Clonality No.**

DGR14045

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.



Immunofluorescence analysis of HeLa cells labelling Calpain 1 with db15448.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15448 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.