Recombinant DGRmAb®

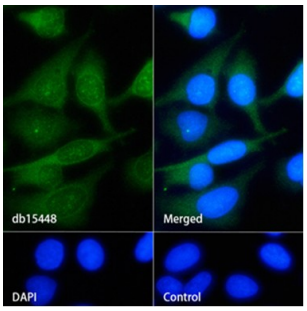
Calpain 1 (DGR14045) Rabbit mAb

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℃) 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.