

## Calpain 1 antibody [9A4H8D3]

Cat. No. GTX23589

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-P, IHC-Fr
Reactivity	Human, Mouse, Rat, Yeast, Rabbit, Sheep, Bovine, Hamster, Pig, Fish, Arthropod

Package  
100 µl

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	2 µg/ml
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent

Not tested in other applications.

**Calculated MW** 82 kDa. ( [Note](#) )**Product Note** This antibody does not cross-react with m-calpain, n-calpain, calmodulin or calpastatin and it recognizes an epitope between amino acids 465-520 (domain III) of human mu-calpain.

## Properties

Form	Liquid
Buffer	PBS, 0.1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Purified bovine skeletal muscle 80 kDa mu-calpain subunit.
Purification	Protein A purified
Conjugation	Unconjugated

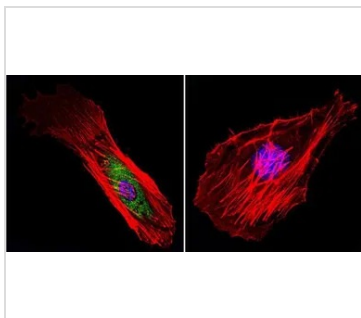


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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx23589 ICC/IF Image**

ICC/IF analysis of HeLa cells using GTx23589 Calpain 1 antibody [9A4H8D3]. Cells were probed without (right) or with (left) an antibody.

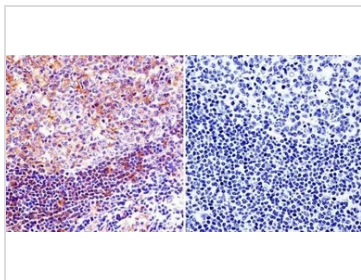
Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : formaldehyde

Dilution : 1:100 overnight at 4 °C


**GTx23589 IHC-P Image**

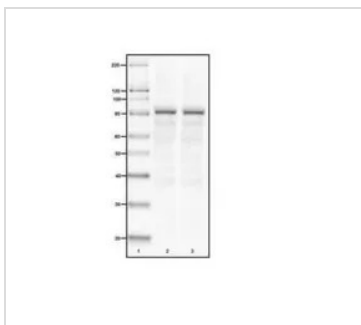
IHC-P analysis of human tonsil tissue using GTx23589 Calpain 1 antibody [9A4H8D3].

Left : Primary antibody

Right : Negative control without primary antibody

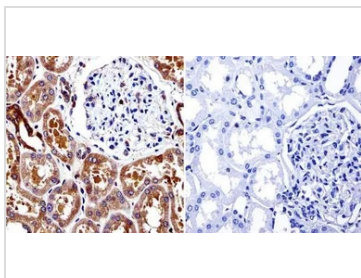
Antigen retrieval : heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes

Dilution : 1:20


**GTx23589 WB Image**

WB analysis of 15 ug of HeLa cell lysate (lane 2), 15 ug of A431 cell lysate (lane 3) using GTx23589 Calpain 1 antibody [9A4H8D3].

Dilution : 1:500


**GTx23589 IHC-P Image**

IHC-P analysis of human kidney tissue using GTx23589 Calpain 1 antibody [9A4H8D3].

Left : Primary antibody

Right : Negative control without primary antibody

Antigen retrieval : heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes

Dilution : 1:20



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