

For Research Use Only

# Calpastatin Monoclonal antibody

Catalog Number: 67107-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67107-1-Ig	<b>GenBank Accession Number:</b> BC013579	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1850 $\mu$ g/ml	<b>GeneID (NCBI):</b> 831	<b>CloneNo.:</b> 1G12A2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P20810	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> calpastatin	
<b>Immunogen Catalog Number:</b> AG28669	<b>Calculated MW:</b> 667 aa, 72 kDa	
	<b>Observed MW:</b> 115 kDa	

## Applications

<b>Tested Applications:</b> FC, IF/ICC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HepG2 cells, LNCaP cells, MCF-7 cells, THP-1 cells, HEK-293 cells
<b>Species Specificity:</b> Human	<b>IF :</b> HeLa cells,
<b>Cited Species:</b> mouse	

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Juan Wang	35026406	Pharmacol Res	WB
Fengming Shen	35498131	Oxid Med Cell Longev	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

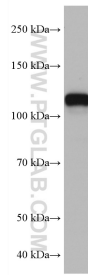
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

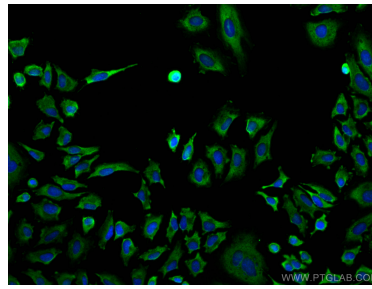
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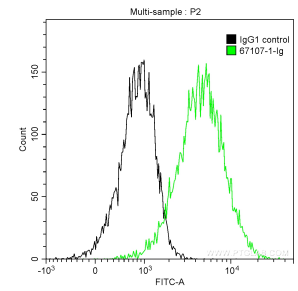
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 67107-1-Ig (CAST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Calpastatin antibody (67107-1-Ig, Clone: 1G12A2 ) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human Calpastatin (67107-1-Ig, Clone:1G12A2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.