

Calpastatin Monoclonal antibody

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

Basic Information

Catalog Number:

67107-1-Ig

Size:

1850 μ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28669

GenBank Accession Number:

BC013579

GeneID (NCBI):

831

UNIPROT ID:

P20810

Full Name:

calpastatin

Calculated MW:

667 aa, 72 kDa

Observed MW:

115 kDa

Purification Method:

Protein G purification

CloneNo.:

1G12A2

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, LNCaP cells, MCF-7 cells, THP-1 cells, HEK-293 cells

IF/ICC : HeLa cells,

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:

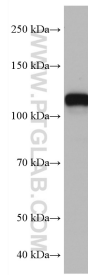
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

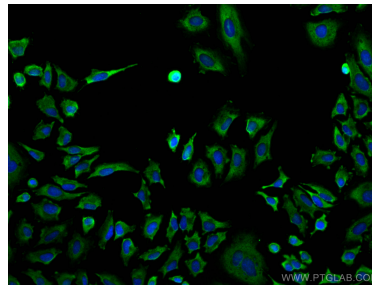
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

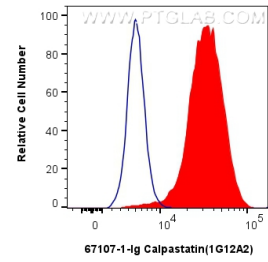
Selected Validation Data



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).



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug Calpastatin Monoclonal antibody (67107-1-Ig, Clone:1G12A2) and CoraLite488-conjugated Donkey Anti-Mouse IgG(H+L)(SA00013-5)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).