

Anti-Calpain 1 antibody ab39170

32 References [1 图像](#)

概述

产品名称	Anti-Calpain 1抗体
描述	兔多克隆抗体to Calpain 1
宿主	Rabbit
特异性	This antibody binds to reduced and non reduced Calpain 1. It reacts with Domain IV of Calpain 1, and detects both latent and aminoprocessed (activated) Calpain 1. It but does not cross react with the other calpain family members (Calpain 2, calpain 94, ncl 2, ncl 3, etc.).
经测试应用	适用于: IHC (PFA fixed), ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide based on Domain IV of the large subunit of Human Calpain 1. (Peptide available as ab41300 .)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 50% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab39170于以下的经测试应用

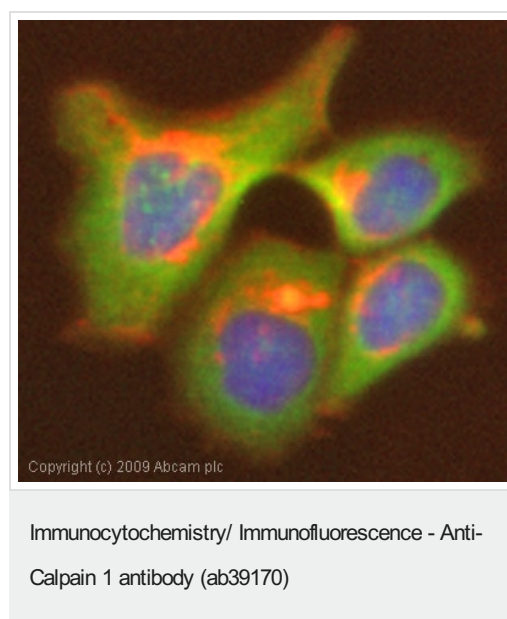
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC (PFA fixed)		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use at an assay dependent concentration. Predicted molecular weight: 82 kDa. 1/1000 - 1/5000. Detects a band of approximately 75 kDa (predicted molecular weight: 82 kDa). Dilution optimised using Chromogenic detection.

靶标

功能	Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.
组织特异性	Ubiquitous.
序列相似性	Belongs to the peptidase C2 family. Contains 1 calpain catalytic domain. Contains 4 EF-hand domains.
细胞定位	Cytoplasm. Cell membrane. Translocates to the plasma membrane upon Ca(2+) binding.

图片



ICC/IF image of ab39170 stained MCF-7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab39170, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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