

### Anti-Cathepsin B antibody [CA10] ab58802

★★★★★ [6 Abreviews](#) [84 References](#) [2 图像](#)

#### 概述

产品名称	Anti-Cathepsin B抗体[CA10]
描述	小鼠单克隆抗体[CA10] to Cathepsin B
宿主	Mouse
特异性	This antibody recognizes an epitope on the heavy chain of mature Cathepsin B and therefore detects both mature (~31 kDa) and pro (~43 kDa)Cathepsin B.
经测试应用	<b>适用于:</b> Flow Cyt, WB
种属反应性	<b>与反应:</b> Human
免疫原	Cathepsin B purified from human liver
表位	Within the heavy chain of mature cathepsin B
阳性对照	Flow cyt: HepG2 cells
常规说明	<p>This product has switched from ascites to TCS on 26th October 2020.</p> <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&amp;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	Constituents: 0.158% Ammonium bicarbonate, 0.1% BSA
纯度	Protein G purified
克隆	单克隆
克隆编号	CA10
同种型	IgG2a

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用ab58802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
Flow Cyt		Use 0.5µg for 10 <sup>6</sup> cells. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (4)	Use a concentration of 0.25 µg/ml. Predicted molecular weight: 38 kDa.

## 靶标

### 功能

Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis.

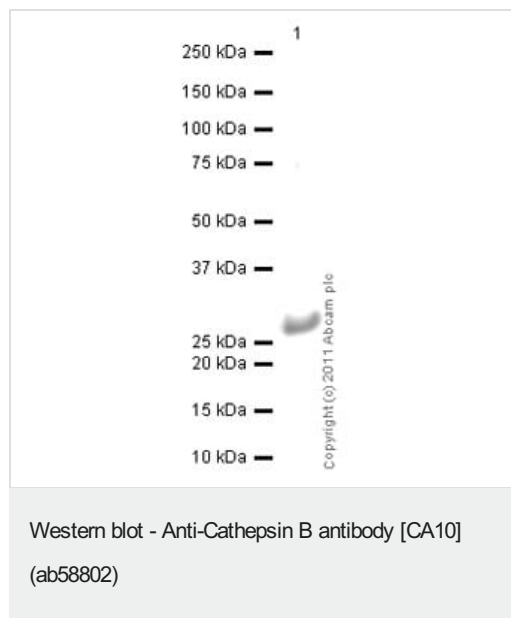
### 序列相似性

Belongs to the peptidase C1 family.

### 细胞定位

Lysosome. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## 图片



Anti-Cathepsin B antibody [CA10] (ab58802) at 0.25 µg/ml + Native human Cathepsin B protein (**ab90387**) at 0.01 µg

### Secondary

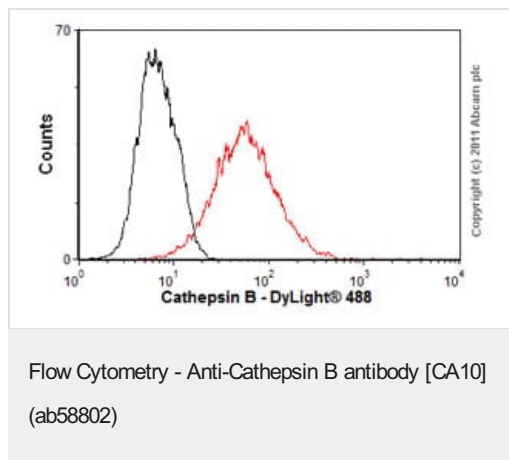
Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 38 kDa

**Exposure time:** 10 seconds



Overlay histogram showing HepG2 cells stained with ab58802 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab58802, 0.5µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1µg/1x10<sup>6</sup> cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a positive signal in HepG2 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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

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