


### Anti-Cystatin-B antibody [EPR3931] - BSA and Azide free ab247554

KO 評価済 リコンビナント RabMAb

画像数 5

#### 製品の概要

製品名	Anti-Cystatin-B antibody [EPR3931] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3931] to Cystatin-B - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB 適用なし: ICC/IF or IP
種交差性	交差種: Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK293T, U87-MG and JAR cell lysates; Human bladder tissue lysate. IHC-P: Human colon and kidney tissues.
特記事項	<p>ab247554 is the carrier-free version of <a href="#">ab92449</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p>

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR3931
アイソタイプ	IgG

## アプリケーション

The Abpromise guarantee      **Abpromise保証は、次のテスト済みアプリケーションにおけるab247554の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

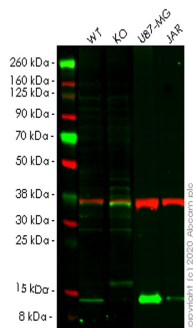
アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 11 kDa.

追加情報      Is unsuitable for ICC/IF or IP.

## ターゲット情報

機能	This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B.
関連疾患	Defects in CSTB are the cause of progressive myoclonic epilepsy type 1 (EPM1) [MIM:254800]. EPM1 is an autosomal recessive disorder characterized by severe, stimulus-sensitive myoclonus and tonic-clonic seizures. The onset, occurring between 6 and 13 years of age, is characterized by convulsions. Myoclonus begins 1 to 5 years later. The twitches occur predominantly in the proximal muscles of the extremities and are bilaterally symmetrical, although asynchronous. At first small, they become late in the clinical course so violent that the victim is thrown to the floor. Mental deterioration and eventually dementia develop.
配列類似性	Belongs to the cystatin family.

## 画像



Western blot - Anti-Cystatin-B antibody [EPR3931] - BSA and Azide free (ab247554)

**All lanes :** Anti-Cystatin-B antibody [EPR3931] ([ab92449](#)) at 1/1000 dilution

**Lane 1 :** Wild-type HEK293T cell lysate

**Lane 2 :** CSTB knockout HEK293T cell lysate

**Lane 3 :** U87-MG cell lysate

**Lane 4 :** JAR cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

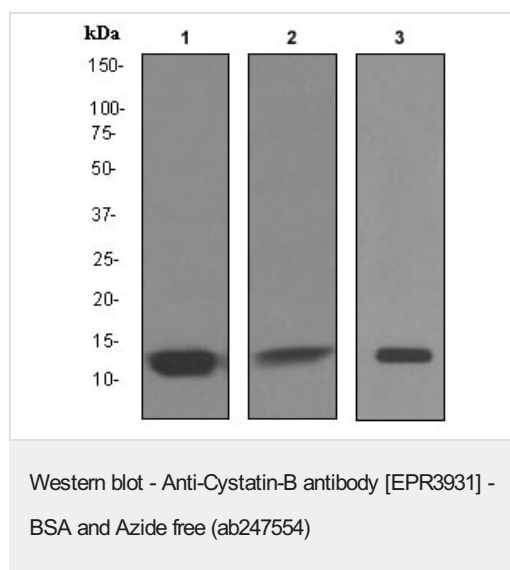
**Predicted band size:** 11 kDa

**Observed band size:** 15 kDa

This data was developed using [ab92449](#), the same antibody clone in a different buffer formulation.

**Lanes 1-4:** Merged signal (red and green). Green - [ab92449](#) observed at 15 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[ab92449](#) Anti-Cystatin-B antibody [EPR3931] was shown to specifically react with Cystatin-B in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab266321](#) (knockout cell lysate [ab257905](#)) was used. Wild-type and Cystatin-B knockout samples were subjected to SDS-PAGE. [ab92449](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



**All lanes :** Anti-Cystatin-B antibody [EPR3931] ([ab92449](#)) at 1/1000 dilution

**Lane 1 :** U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

**Lane 2 :** JAR cell lysate

**Lane 3 :** Human bladder tissue lysate

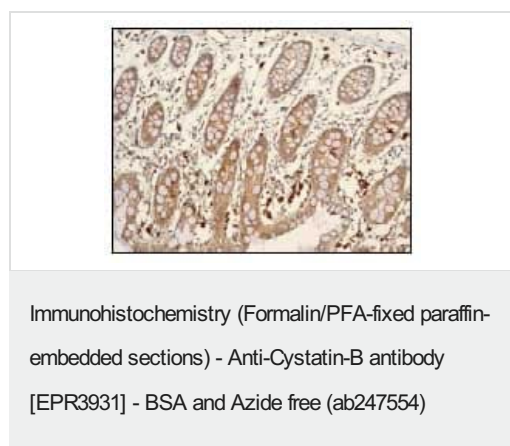
Lysates/proteins at 10 µg per lane.

### Secondary

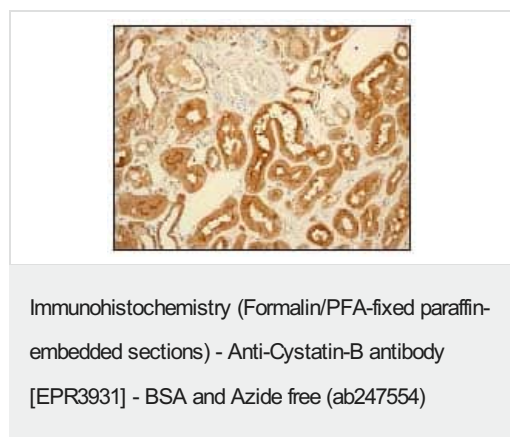
**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 11 kDa

This data was developed using [ab92449](#), the same antibody clone in a different buffer formulation.



This data was developed using [ab92449](#), the same antibody clone in a different buffer formulation. [ab92449](#), at 1/100 dilution, staining Cystatin-B in paraffin-embedded Human colon tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



This data was developed using [ab92449](#), the same antibody clone in a different buffer formulation. [ab92449](#), at 1/100 dilution, staining Cystatin-B in paraffin-embedded Human kidney tissue. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

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

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