

## Product datasheet

# Anti-Cathepsin D antibody [EPR3056Y] ab75811

リコンビナント RabMAb®

★★★★☆ 1 Abreviews 画像数 3

### 製品の概要

製品名	Anti-Cathepsin D antibody [EPR3056Y]
製品の詳細	Rabbit monoclonal [EPR3056Y] to Cathepsin D
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt, WB, IHC-P, ICC <b>適用なし:</b> IP
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide within Human Cathepsin D aa 50-150 (N terminal). The exact sequence is proprietary.
ポジティブ・コントロール	MCF-7 and SKBR3 cell lysates. Human liver tissue.
特記事項	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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

This product is a recombinant rabbit monoclonal antibody.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR3056Y
アイソタイプ	IgG

Our [Abpromise guarantee](#) covers the use of **ab75811** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		
WB		
IHC-P	★★★★☆	
ICC		

**追加情報**

ICC: 1/100 - 1/250.  
 IHC-P: 1/500. Perform heat mediated antigen retrieval using 0.01M Sodium Citrate Buffer, pH 6.0 before commencing with IHC staining protocol.  
 WB: 1/1000 - 1/2000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).

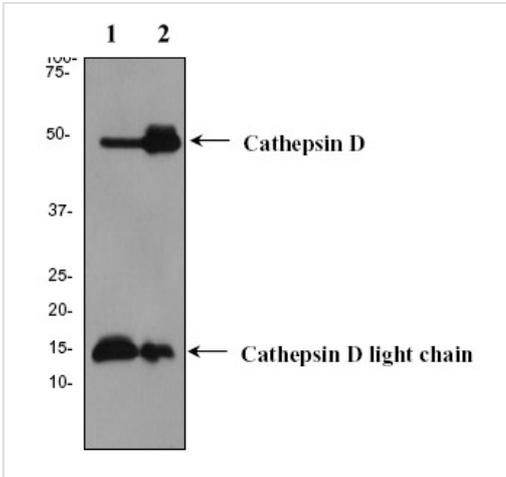
Is unsuitable for Flow Cyt or IP.

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

**ターゲット情報**

<b>機能</b>	Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.
<b>組織特異性</b>	Expressed in the aorta extracellular space (at protein level).
<b>関連疾患</b>	Ceroid lipofuscinosis, neuronal, 10
<b>配列類似性</b>	Belongs to the peptidase A1 family. Contains 1 peptidase A1 domain.
<b>翻訳後修飾</b>	N- and O-glycosylated.
<b>細胞内局在</b>	Lysosome. Melanosome. Secreted, extracellular space. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In aortic samples, detected as an extracellular protein loosely bound to the matrix (PubMed:20551380).

**画像**



Western blot - Anti-Cathepsin D antibody [EPR3056Y] (ab75811)

**All lanes** : Anti-Cathepsin D antibody [EPR3056Y] (ab75811) at 1/1000 dilution

**Lane 1** : MCF-7 cell lysate

**Lane 2** : SKBR3 cell lysate

Lysates/proteins at 10 µg per lane.

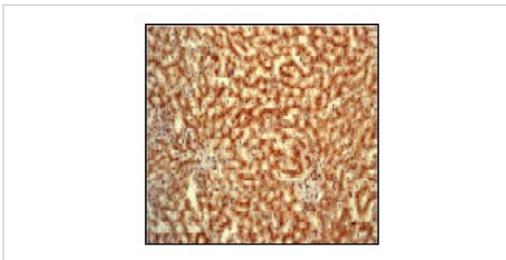
**Secondary**

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

**Predicted band size:** 46 kDa

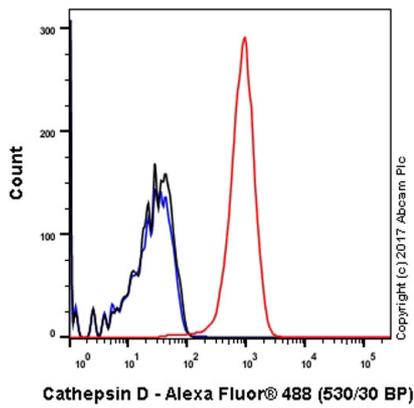
**Observed band size:** 15,46 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathepsin D antibody [EPR3056Y] (ab75811)

Immunohistochemical analysis of paraffin-embedded human liver using ab75811 at 1/500 dilution.



Flow Cytometry - Anti-Cathepsin D antibody  
[EPR3056Y] (ab75811)

ab75811 staining Cathepsin D in the human cell line MCF7 (Human breast adenocarcinoma epithelial cell) by flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/20. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody. Isoytype control: Rabbit monoclonal IgG (Black) Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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