**Product datasheet**

**Anti-Cathepsin B antibody [EPR4323] ab125067**

**Overview**

**Product name**  
Anti-Cathepsin B antibody [EPR4323]

**Description**  
Rabbit monoclonal [EPR4323] to Cathepsin B

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB, IHC-P, ICC/IF  
Unsuitable for: Flow Cyt or IP

**Species reactivity**  
Reacts with: Human  
Does not react with: Mouse, Rat

**Immunogen**  
Synthetic peptide within Human Cathepsin B aa 1-200. The exact sequence is proprietary.

**Positive control**  
Human kidney and papillary carcinoma tissues; HeLa cells; HT1080, A375, SW480 and A549 cell line lysates.

**General notes**  
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.

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

**Storage buffer**  
pH: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

**Purity**  
Tissue culture supernatant

**Clonality**  
Monoclonal

**Clone number**  
EPR4323

**Isotype**  
IgG

**Applications**

Our Abpromise guarantee covers the use of ab125067 in the following tested applications.
Target

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

Sequence similarities
Belongs to the peptidase C1 family.

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

Application notes
Is unsuitable for Flow Cyt or IP.

Images

All lanes: Anti-Cathepsin B antibody [EPR4323] (ab125067) at 1/1000 dilution

Lane 1: HT1080 cell lysate
Lane 2: A375 cell lysate
Lane 3: SW480 cell lysate
Lane 4: A549 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: Goat anti-Rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 38 kDa
ab125067, at a 1/50 dilution, staining Cathepsin B in paraffin-embedded Human kidney tissue by immunohistochemistry.

ab125067, at a 1/50 dilution, staining Cathepsin B (red) in HeLa cells by immunofluorescence. DNA is marked in blue.

ab125067, at a 1/50 dilution, staining Cathepsin B in paraffin-embedded Human papillary carcinoma tissue by immunohistochemistry.

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