Product datasheet

Anti-Cathepsin B antibody ab190077

Overview

Product name: Anti-Cathepsin B antibody
Description: Rabbit polyclonal to Cathepsin B
Host species: Rabbit
Tested applications: Suitable for: IHC-P, Flow Cyt, WB
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide corresponding to Human Cathepsin B aa 198-227 (internal sequence) conjugated to keyhole limpet haemocyanin.
Database link: P07858
Positive control: Human liver and hepatocarcinoma tissues; HepG2 cells; Y79 cell lysate.

Properties

Form: Liquid
Storage buffer: Preservative: 0.09% Sodium azide
Constituent: 99% PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab190077 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Abreviews</th>
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<tr>
<td>IHC-P</td>
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<td>Use a concentration of 10 µg/ml.</td>
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**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.

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**Images**

Anti-Cathepsin B antibody (ab190077) at 1/1000 dilution + Y79 cell lysate at 35 µg

**Predicted band size**: 38 kDa
Flow cytometric analysis of HepG2 cells labeling Cathepsin B with ab190077 at 1/10 dilution (lower histogram) compared to a negative control (upper histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human hepatocarcinoma tissue labeling Cathepsin B with ab190077 at 10 µg/ml followed by peroxidase-conjugated secondary antibody and DAB staining.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human liver tissue labeling Cathepsin B with ab190077 at 10 µg/ml.
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