**Product datasheet**

**Anti-Cathepsin D antibody ab826**

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### Overview

**Product name**  
Anti-Cathepsin D antibody

**Description**  
Rabbit polyclonal to Cathepsin D

**Host species**  
Rabbit

**Specificity**  
This antibody reacts with the zymogen as well as the activated form of cathepsin D. It stains fibroblasts and macrophages strongly but stains weakly with the myoepithelial cells of breast. It also stains sweat ducts and glands in the skin, islets cells and granules of pancreatic acini.

**Tested applications**  
Suitable for: IHC-P

**Species reactivity**  
Reacts with: Human

**Predicted to work with:** Rat

**Immunogen**  
Cathepsin D isolated from human liver

### Properties

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**  
Preservative: 0.05% Sodium azide  
Constituent: 1% BSA

**Purity**  
Protein A purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

### Applications

Our Abpromise guarantee covers the use of ab826 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/75 - 1/100. ABC method.</td>
</tr>
<tr>
<td>Target</td>
<td>Description</td>
<td></td>
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<tr>
<td>Function</td>
<td>Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.</td>
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<td>Tissue specificity</td>
<td>Expressed in the aorta extracellular space (at protein level).</td>
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<td>Involvement in disease</td>
<td>Ceroid lipofuscinosis, neuronal, 10</td>
<td></td>
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<tr>
<td>Sequence similarities</td>
<td>Belongs to the peptidase A1 family. Contains 1 peptidase A1 domain.</td>
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<tr>
<td>Post-translational modifications</td>
<td>N- and O-glycosylated.</td>
<td></td>
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<tr>
<td>Cellular localization</td>
<td>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).</td>
<td></td>
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</tbody>
</table>

**Images**

ab826 staining Cathepsin D in formalin-fixed, paraffin-embedded Human prostate tissue by Immunohistochemistry.

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

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