

**Cathepsin B Rabbit mAb**  
**Catalog # AP77231****Specification**

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**Cathepsin B Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P07858</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>37822</b>

**Cathepsin B Rabbit mAb - Additional Information****Gene ID** 1508**Other Names**  
CTSB**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**Cathepsin B Rabbit mAb - Protein Information****Name** CTSB**Synonyms** CPSB**Function**

Thiol protease which is believed to participate in intracellular degradation and turnover of proteins (PubMed:<a href="http://www.uniprot.org/citations/12220505" target="\_blank">12220505</a>). Cleaves matrix extracellular phosphoglycoprotein MEPE (PubMed:<a href="http://www.uniprot.org/citations/12220505" target="\_blank">12220505</a>). Involved in the solubilization of cross-linked TG/tyroglobulin in the thyroid follicle lumen (By similarity). Has also been implicated in tumor invasion and metastasis (PubMed:<a href="http://www.uniprot.org/citations/3972105" target="\_blank">3972105</a>).

**Cellular Location**

Lysosome. Melanosome. Secreted, extracellular space {ECO:0000250|UniProtKB:A1E295}. Apical cell membrane {ECO:0000250|UniProtKB:P10605}; Peripheral membrane protein {ECO:0000250|UniProtKB:P10605}; Extracellular side {ECO:0000250|UniProtKB:P10605}. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065) Localizes to the lumen of thyroid follicles and to the apical membrane of thyroid epithelial cells (By similarity) {ECO:0000250|UniProtKB:P10605, ECO:0000269|PubMed:17081065}

### Tissue Location

Expressed in the stratum spinosum of the epidermis. Weak expression is detected in the stratum granulosum

### Cathepsin B Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Cathepsin B Rabbit mAb - Images

