

## Cathepsin B Polyclonal Antibody Catalog # AP68862

### Specification

#### Cathepsin B Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">P07858</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

#### Cathepsin B Polyclonal Antibody - Additional Information

##### Gene ID 1508

##### Other Names

CTSB; CPSB; Cathepsin B; APP secretase; APPS; Cathepsin B1

##### Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

##### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

##### Storage Conditions

-20°C

#### Cathepsin B Polyclonal Antibody - Protein Information

##### Name CTSB

##### Synonyms CPSB

##### Function

Thiol protease which is believed to participate in intracellular degradation and turnover of proteins (PubMed:[12220505](http://www.uniprot.org/citations/12220505)). Cleaves matrix extracellular phosphoglycoprotein MEPE (PubMed:[12220505](http://www.uniprot.org/citations/12220505)). Involved in the solubilization of cross-linked TG/thyroglobulin in the thyroid follicle lumen (By similarity). Has also been implicated in tumor invasion and metastasis (PubMed:[3972105](http://www.uniprot.org/citations/3972105)).

##### 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

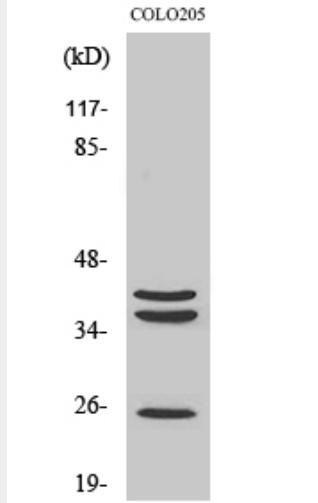
Expressed in the stratum spinosum of the epidermis. Weak expression is detected in the stratum granulosum

#### Cathepsin B Polyclonal Antibody - Protocols

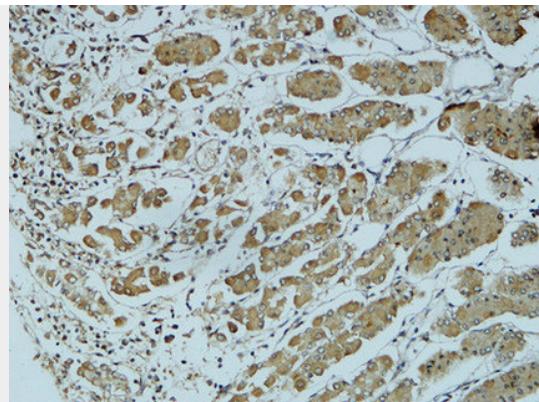
Provided below are standard protocols that you may find useful for product applications.

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

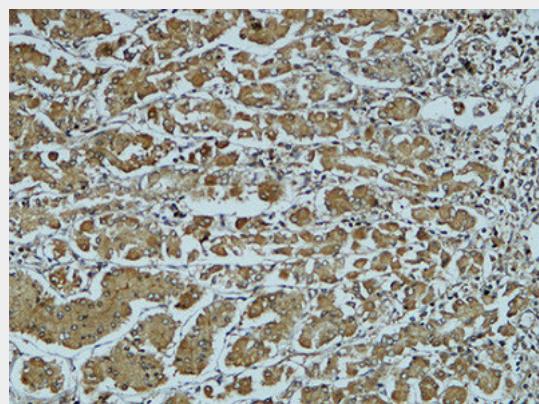
#### Cathepsin B Polyclonal Antibody - Images



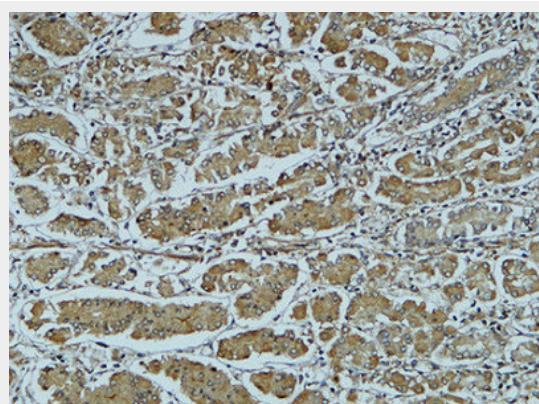
Western Blot analysis of various cells using Cathepsin B Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



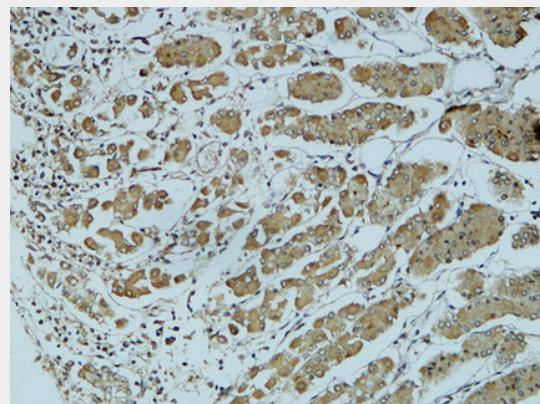
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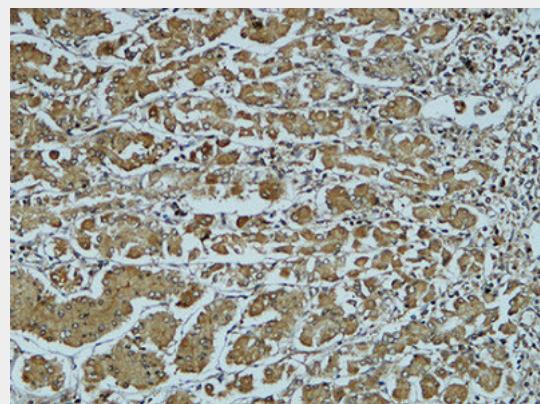
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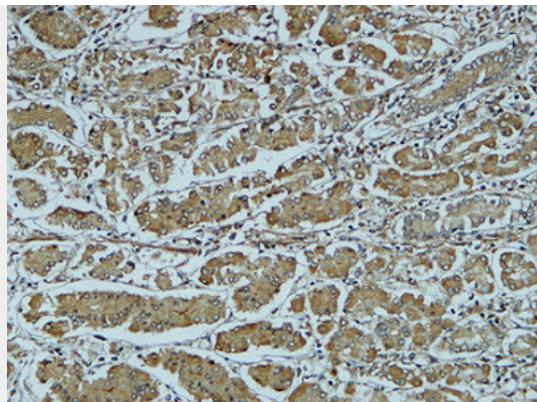
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