

**Goat anti-Cathepsin B Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4530a****Specification**

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**Goat anti-Cathepsin B Antibody - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, IHC, IF, FC, Pep-ELISA  |
| Primary Accession | <a href="#">P07858</a>      |
| Other Accession   | <a href="#">NP_001899.1</a> |
| Reactivity        | Human                       |
| Host              | Goat                        |
| Clonality         | Polyclonal                  |
| Calculated MW     | 37822                       |

**Goat anti-Cathepsin B Antibody - Additional Information****Gene ID** 1508**Other Names**

CTSB; cathepsin B; APPS; CPSB; APP secretase; amyloid precursor protein secretase; cathepsin B1; cysteine protease

**Dilution**WB~~1:1000  
IHC~~1:100~500  
IF~~1:50~200  
FC~~1:10~50  
Pep-ELISA~~N/A**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Reported variants represent identical protein: NP\_680091.1, NP\_680090.1, NP\_680092.1, NP\_001899.1, NP\_680093.1.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-Cathepsin B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-Cathepsin B Antibody - 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/thyroglobulin 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

**Goat anti-Cathepsin B 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](#)

**Goat anti-Cathepsin B Antibody - Images**