

# Polyclonal Antibody to Cathepsin K (CTSK)

Cathepsin K

Catalog # AP74579

## Product Information

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|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9GLE3</a> |
| Reactivity        | Pig                    |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 37069                  |

## Additional Information

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| Gene ID            | 397569                                                                                                                                                                                                            |
| Other Names        | CTS-K; CTS02; CTSO; CTSO1; CTSO2; PKND; PYCD; Pycnodysostosis; Cathepsin O; Cathepsin X                                                                                                                           |
| Target/Specificity | Sus scrofa; Porcine (Pig)                                                                                                                                                                                         |
| Dilution           | WB~~Western blotting: 0.2-2 $\mu$ g/mL;1:250-2500<br>Immunohistochemistry: 5-20 $\mu$ g/mL;1:25-100<br>Immunocytochemistry: 5-20 $\mu$ g/mL;1:25-100<br>Optimal working dilutions must be determined by end user. |
| Format             | PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                                                     |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                         |

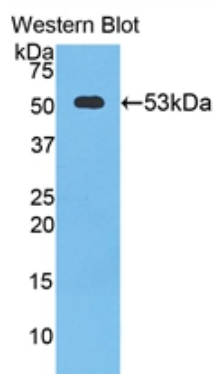
## Protein Information

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CTSK                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function          | Thiol protease involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in extracellular matrix degradation (By similarity). Involved in the release of thyroid hormone thyroxine (T <sub>4</sub> ) by limited proteolysis of TG/thyroglobulin in the thyroid follicle lumen. |
| Cellular Location | Lysosome. Secreted. Apical cell membrane; Peripheral membrane protein; Extracellular side. Note=Localizes to the lumen of thyroid follicles and to the apical membrane of thyroid epithelial cells                                                                                                                                                                                                                              |
| Tissue Location   | Expressed in the thyroid epithelial cells.                                                                                                                                                                                                                                                                                                                                                                                      |

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.