

Procathepsin K Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11634**Specification**

Procathepsin K Antibody - Product Information

Application	WB
Primary Accession	P00786
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37104

Procathepsin K Antibody - Additional Information**Gene ID** 25425**Other Names**

CTSK, CTSO, CTSO3

Target/Specificity

Procathepsin K

Formulation

100 µg (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

Procathepsin K Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Procathepsin K Antibody - Protein Information**Name** Ctsh**Function**

Important for the overall degradation of proteins in lysosomes.

Cellular Location

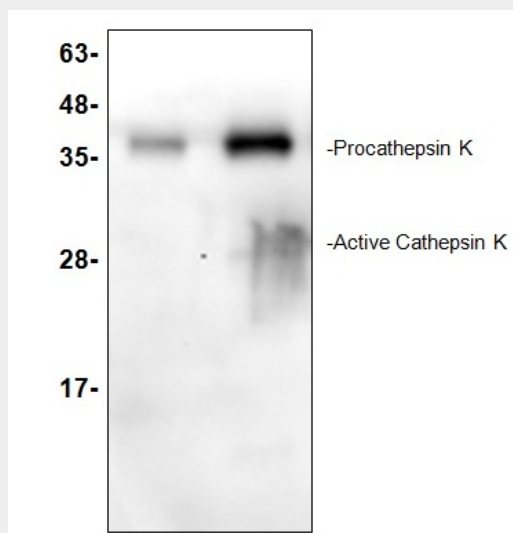
Lysosome.

Procathepsin K 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](#)

Procathepsin K Antibody - Images



Western blot with Procathepsin K antibody. Lane1: Recombinant Rat Procathepsin K (10ng); Lane2: Recombinant RatProcathepsin K (50ng).

Procathepsin K Antibody - Background

Cathepsin K, a member of the papain cysteine proteinase family, is the predominant proteinase responsible for the resorption of the bone matrix. Cathepsin cleaves proteins such as collagen type I, collagen type II and osteonectin, thereby playing a role in bone remodeling and resorption in osteoporosis, osteolytic bone metastasis and rheumatoid arthritis (Bromme and Okamoto, 1995; Drake, F. et al 1996; Bossard et al, 1996). Cathepsin K is produced as an inactive proenzyme (35.4 kDa) that is converted to its mature active form (23.5 kDa) by proteolytic cleavage of its 99-amino-acid propeptide domain. The in-vitro processing of Procathepsin K to mature Cathepsin K is autocatalytic.