

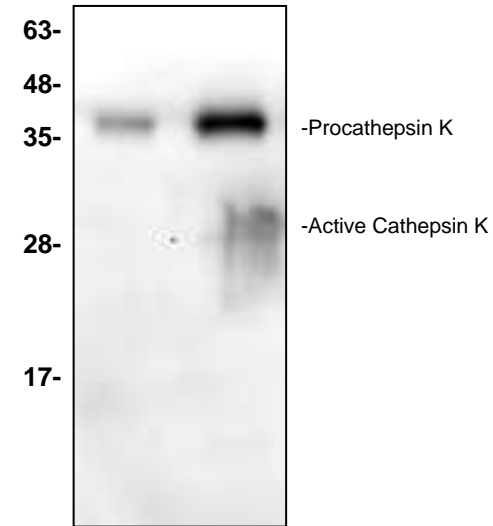
Procathepsin K Antibody

CATALOG NO:	6661-30T 30 µg (Trial size) 6661-100 100 µg
ALTERNATE NAMES:	CTSK, CTSO, CTSO3
CONCENTRATION:	0.5 mg/ml
HOST:	Rabbit
IMMUNOGEN:	Recombinant rat Procathepsin K (Cat. No. 1029)
INTERNAL ID:	BV-N27-28
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
FORMULATION:	PBS pH 7.2, 0.01% BSA, 0.01% thimerosal, and 50% glycerol
SPECIES REACTIVITY:	Rat
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: 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.

APPLICATION: Western blot: 1-4 µg

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot with Procathepsin K antibody

Lane 1: Recombinant Rat Procathepsin K - 10 ng.
Lane 2: Recombinant Rat Procathepsin K - 50 ng

RELATED PRODUCTS:

- Procathepsin K, rat recombinant (**Cat. No. 1029-10, 50, -1000**)
- Procathepsin K, mouse recombinant (**Cat. No. 1027-10, 50, -1000**)
- Procathepsin K, human recombinant (**Cat. No. 1026-10, 50, -1000**)
- Cathepsin K activity assay kit (**Cat. No. K141-100**)
- Cathepsin K Antibody (**Cat. No. 3368-100, 3588-100**)
- Cathepsin K Antibody (**Cat. No. 3368BP-50, 3588BP-50**)
- Cathepsin K Antibody (**Cat # 3368-100**)
- Cathepsin K Blocking Peptide (**Cat # 3368BP-50**)
- Cathepsin K Antibody (**Cat # 3588-100**)
- Cathepsin K Blocking Peptide (**Cat # 3588BP-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.