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# Cathepsin K Polyclonal Antibody

CATALOG NO: 3368-30T 30 µg (Trial size)

3368-100 100 µg

CONCENTRATION: 0.5 mg/ml

HOST: Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 321 of rat

Cathepsin K

INTERNAL ID: BV-87

SPECIES REACTIVITY: Human, Mouse, Rat

## FORMULATION:

Protein A purified rabbit anti-cathepsin K polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.03% ProClin®

#### BACKGROUND:

Cathepsin family of proteases contains several diverse classes of enzymes. The cysteine protease class comprises cathepsin B, H, K, L, O, and S. The aspartyl protease class contains cathepsin D and E. Cathepsin G belongs to the serine protease class. Cathepsins are involved in various cellular events such as peptide biosynthesis, protein degradation, and apoptosis. Cathepsin K expression is highest in bone, cartilage, and skeletal muscle.

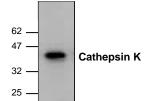
**SPECIFICITY:** Detects 43 kDa cathepsin K of human, mouse, and rat origin.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4  $\mu$ g/ml), immunoprecipitation, and immunohistochemistry (5  $\mu$ g/ml). However, the optimal conditions should be determined individually.

## STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.



Western blot analysis of Cathepsin K expression in MCF7 cell lysate.

#### RELATED PRODUCTS:

- Cathepsin K inhibitor screening kit (Cat. No. K150-100)
- Cathepsin K, Active, human recombinant (Cat. No. 7600-5, -50)
- Cathepsin K, Active, mouse recombinant (Cat. No. 7597-5, -50)
- Cathepsin K, Active, rat recombinant (Cat. No. 7598-5, -50)
- Procathepsin K, mouse recombinant (Cat. No. 1027-10, 50, -1000)
- Procathepsin K, human recombinant (Cat. No. 1026-10, 50, -1000)
- Procathepsin K, rat recombinant (Cat. No. 1029-10, 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. No. 3368-100)
- Cathepsin K Blocking Peptide (Cat. No. 3368BP-50)
- Cathepsin K Antibody (Cat. No. 3588-100)
- Cathepsin K Blocking Peptide (Cat. No. 3588BP-50)
- Cathepsin B (active, human) (Cat. No. 1021-5)
- Cathepsin D (active, human) (Cat. No. 1022-5)
- Cathepsin G, Human Neutrophil (Cat. No. 4713-100)
- Cathepsin H (active, human) (Cat. No. 1023-5)
- Cathepsin L, human recombinant (Cat. No. 1135-5)
- Human CellExp<sup>™</sup> Cathepsin S, human recombinant (Cat. No. 7277-10, -50, -1000)

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

