

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 µg/ml), immunoprecipitation, and immunohistochemistry (5 µg/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/thaw cycles.



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™ Cathepsin S, human recombinant (**Cat. No. 7277-10, -50, -1000**)

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