

## Cathepsin D (HC) polyclonal antibody

Catalog: BCP00353

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S, and O. The aspartyl protease class is composed of cathepsins D and E. Cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsins may also cleave some protein precursors, thereby releasing regulatory peptides. The promoter region of the cathepsin D gene contains five Sp1 binding sites and four AP-2 binding sites.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 27, 43, 45 kDa

### Swiss-Prot:

P07339

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

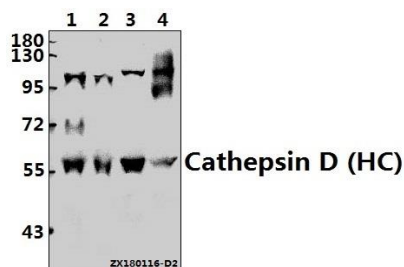
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Cathepsin D (HC) polyclonal antibody detects endogenous levels of Cathepsin D heavy chain (27 kDa) Protein.

### DATA:



Western blot (WB) analysis of Cathepsin D (HC) pAb at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:H1792 whole cell lysate(40ug)

Lane3:The Embryo tissue lysate of Mouse(20ug)

Lane4:The Lung tissue lysate of Rat(40ug)

### Note:

For research use only, not for use in diagnostic procedure.