

## Cathepsin W polyclonal antibody

Catalog: BS62560

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

Cathepsin W (lymphopain) and cathepsin F comprise a novel subgroup of cathepsin proteases, and are phylogenetically distinct from other human cathepsins. The cathepsin W gene maps to chromosome 11q13.1 and contains ten exons with introns ranging from 81-119 bp. Cathepsin W protein is expressed specifically in CD8+ T-lymphocyte. The expression of cathepsin W first occurs during the differentiation of thymocytes to CD8+ T-lymphocytes, just as the thymocytes cease expression of CD4+ receptors. In transfected Cos-7 and Hela cells, cathepsin W localizes within the rough endoplasmic reticulum. Cathepsin W contains a unique 21-amino acid peptide insertion between the active site histidine and asparagine residues, in addition to a distinctive 8-amino acid carboxy-terminal extension. An extended loop structure in the second or  $\beta$ -sheet domain and an additional disulfide bond are two of several signature features of cathepsin W. Other features of cathepsin W include an additional cysteine, an S2 pocket and an additional residue. Cathepsin W may exist as a dimer with each monomer forming a disulfide bond.

### Product:

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

### Molecular Weight:

~ 42 kDa

### Swiss-Prot:

P56202

### 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

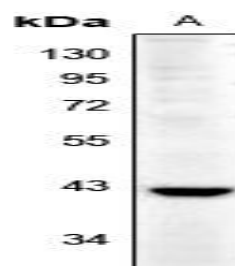
### Storage&Stability:

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

### Specificity:

Cathepsin W polyclonal antibody detects endogenous levels of Cathepsin W protein.

### DATA:



Western blot (WB) analysis of Cathepsin W polyclonal antibody at 1:500 dilution

LaneA:RAW264.7 whole cell lysate

### Note:

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

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