CTSW polyclonal antibody

Catalog: BS60614 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 lymphocytes. The expression of cathepsin W first occurs during the differentiation of thyrocytes 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 distictive 8-amino acid carboxy-terminal extension. An extended loop struc-ture in the second or beta-sheet domain and an additional disulfide bind 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:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

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

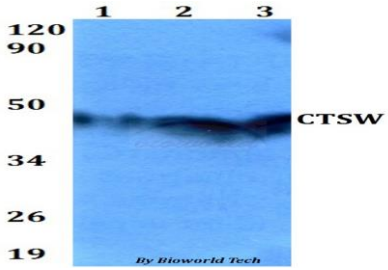
Storage&Stability:

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

Specificity:

CTSW polyclonal antibody detects endogenous levels of CTSW protein.

DATA:



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

Lane1:HEK293T whole cell lysate

Lane2:NIH-3T3 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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