Cathepsin H HC (N292) polyclonal antibody

Catalog: BCP00354 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Cathepsin H (also designated N-benzoylarginine-β-naphthylamide hydrolase, aleurain, cathepsin B3 or cathepsin BA) is a lysosomal cysteine proteinase that mediates degradation of lysosomal proteins. Cathepsin H is a disulfidelinked heavy and light chain dimer produced from a single precursor protein. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Elevated levels of cathepsin H correlates with malignant progression of prostate tumors. Two transcript variants encoding different isoforms have been found for this gene. Full-length and truncated cathepsin H [12 amino acid deletion in the signal peptide region (CTSHΔ10-21)] are expressed in prostate tissues, LNCaP, PC-3 and DU-145 prostate cancer cell lines. Cathepsin H mediates maturation of the biologically active surfactant protein-B (SP-B) peptide.

Product:

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

Molecular Weight:

~ 19 kDa

Swiss-Prot:

P09668

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: 1:1000~1:2000

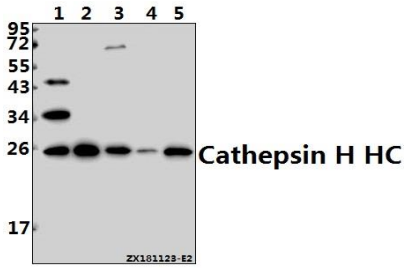
Storage&Stability:

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

Specificity:

Cathepsin H HC (N292) polyclonal antibody detects endogenous levels of Cathepsin H HC protein.

DATA:



Western blot (WB) analysis of Cathepsin H HC (N292) polyclonal antibody at 1:1000 dilution

Lane1:SGC7901 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:The Lung tissue lysate of Mouse(40ug)

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

Lane5:HuT78 whole cell lysate(40ug)

Note:

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

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