

## Cathepsin H HC (N292) polyclonal antibody

Catalog: BS9327

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cathepsin H (also designated N-benzoylarginine- $\beta$ -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 (CTSH $\Delta$ 10-21)] 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:

~ 26 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

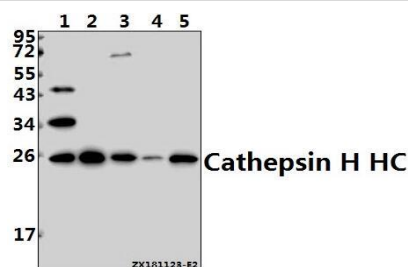
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C 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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