

Pepsinogen C (Phospho-S15) polyclonal antibody

Catalog: BS31112

Host: Rabbit

Reactivity: Plants

BackGround:

Pepsinogen C (also known as progastricsin) is the inactive precursor of pepsin C (gastricsin), an aspartic protease secreted by gastric chief cells. It is cleaved to active pepsin C in the acidic environment of the stomach, where it participates in protein digestion. Pepsinogen C is a biomarker for gastric mucosal function and gastric cancer risk assessment.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~40 kDa (pepsinogen C precursor)

Swiss-Prot:

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/1000 - 1/2000)

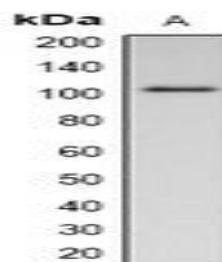
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of Pepsinogen C protein only when phosphorylated at S15.

DATA:



Western blot analysis of PU.1 expression in zebrafish (A) whole cell lysates.

Immunohistochemical analysis of PU.1 staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of PU.1 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

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

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