# Pepsinogen II (PG II) Rabbit pAb

Catalog No.: A2788



## **Basic Information**

#### **Observed MW**

45-50kDa

#### **Calculated MW**

42kDa

## Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

## **Background**

This gene encodes an aspartic proteinase that belongs to the peptidase family A1. The encoded protein is a digestive enzyme that is produced in the stomach and constitutes a major component of the gastric mucosa. This protein is also secreted into the serum. This protein is synthesized as an inactive zymogen that includes a highly basic prosegment. This enzyme is converted into its active mature form at low pH by sequential cleavage of the prosegment that is carried out by the enzyme itself. Polymorphisms in this gene are associated with susceptibility to gastric cancers. Serum levels of this enzyme are used as a biomarker for certain gastric diseases including Helicobacter pylori related gastritis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 1.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

IHC-P 1:100 - 1:200

 $\begin{array}{c} \textbf{ELISA} & \text{Recommended starting} \\ & \text{concentration is 1 } \mu\text{g/mL}. \end{array}$ 

Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**5225

Swiss Prot
P20142

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

PEPC; PGII; Pepsinogen II (PG II)

## **Contact**

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## **Product Information**

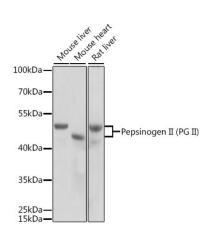
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of various lysates using Pepsinogen II (PG II) Rabbit pAb (A2788) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.