

MAA165Hu22

Monoclonal Antibody to Pepsinogen A (PGA)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C12

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

Cross Reactivity: Rat;Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant PGA (Val63~Phe163+Gly206~Ser295) expressed in *E.coli*

Accession No.: RPA165Hu01

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunohistochemistry: 5-30μg/mL;

Immunofluorescence: 5-30μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

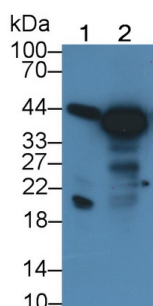
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

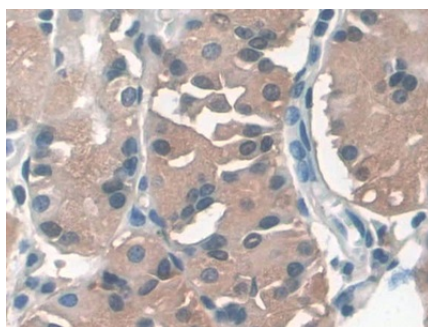
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

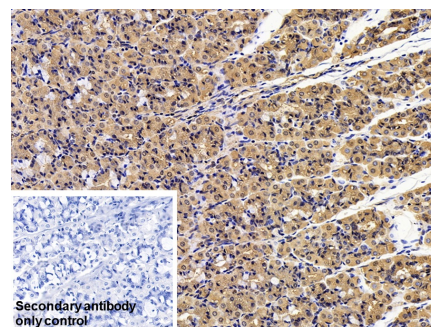
[IDENTIFICATION]



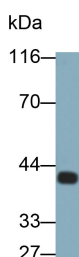
Western Blot; Sample: Lane1: Porcine Stomach lysate; Lane2: Human Urine
Primary Ab: 3?g/ml Mouse Anti-Human PGA Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



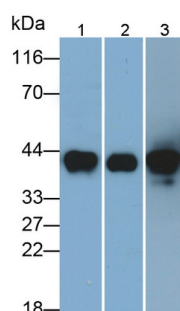
DAB staining on IHC-P; Sample: Human Stomach Tissue; Primary Ab: 30μg/ml Mouse Anti-Human PGA Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



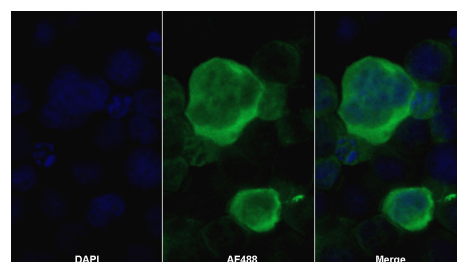
DAB staining on IHC-P; Sample: Porcine Stomach Tissue
Primary Ab: 30μg/ml Mouse Anti-Human PGA Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2?g/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Porcine Stomach lysate
Primary Ab: 0.2μg/ml Mouse Anti-Human PGA Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal



Western Blot; Sample: Lane1: Human Urine; Lane2: Porcine Stomach lysate; Lane3: Rat Stomach lysate
Primary Ab: 0.2μg/ml Mouse Anti-Human PGA Antibody
Second Ab: 0.2μg/mL HRP-Linked



AF488 staining on IF; Sample: HEL92.1.7 cell
Primary Ab: 20μg/ml Mouse Anti-Human PGA Antibody
Second Ab: 2?g/ml AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

Antibody
(Catalog: SAA544Mu19)

Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

(Catalog: SAA544Mu11)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.