

Rabbit anti-Human Pepsinogen C/PGC Polyclonal Antibody | anti-PGC antibody

Anti-Pepsinogen C/PGC Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259513	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

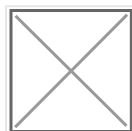
PRODUCT SYNONYMS

Pepsinogen C/PGC; Polyclonal Antibody; Anti-Pepsinogen C/PGC Antibody; Rabbit Polyclonal; Pepsinogen C/PGC Antibody; Rabbit PAb; Antigen Affinity Purified; progastricsin (pepsinogen C); Anti-PEPC Antibody; Anti-PGII Antibody; anti-PGC antibody

PRODUCT SPECIFICATIONS

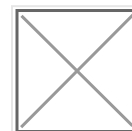
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Pepsinogen C/PGC
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PGC antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Pepsinogen C/PGC Protein (NP_002621.1; Met1-Ala388). Pepsinogen C/PGC specific IgG was purified by Human Pepsinogen C/PGC affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

PGC was immunoprecipitated using: Lane A:0.5 mg HepG2 Whole Cell Lysate 4 uL anti-PGC rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PGC rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 42 kDa Observed band size :42 kDa



WB (Western Blot)

Anti-Pepsinogen C/PGC rabbit polyclonal antibody at 1:500 dilutionLane A: 293T Whole Cell LysateLane B: HepG2 Whole Cell LysateLysates/proteins at 30ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique. Performed under reducing conditions.Predicted band size:42 kDaObserved band size:42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PGC antibody	Pepsinogen C, also known as PGC, is an aspartic proteinase that belongs to the peptidase family A1. Pepsinogen C is synthesized in the gastric mucosa as inactive precursors, known as zymogens. Pepsinogen C contains a prosegment that serves to stabilize the inactive form and prevent entry of the substrate to the active site. At low PH conditions, Pepsinogen C undergoes conversion into active enzyme. Pepsinogen C has been found expressed in all regions of the stomach mucosa and also in the proximal duodenal mucosa. In stomach cancer tissues and cancer cell lines, the expressions of the pepsinogen genes were decreased or lost, in good accordance with their pepsinogen productions. No gross structural changes of the pepsinogen genes were observed in these cancers, but the methylation patterns of the pepsinogen genes were found to be altered in different ways in different cancers. Serum levels of Pepsinogen C are used as a biomarker for certain gastric diseases including Helicobacter pylori related gastritis.
References	Richte. C. e. al. (1998. Mechanis. o. activatio. o. th. gastr. asparti. proteinases. pepsinogen. progastricsi. an. prochymosin. Bioche. J. . (335). 481-90.Westervel. BD. e. al. (1987. Gastr. protease. i. Barrett'. esophagus. Gastroenterology. 9. (4). 774-8.Ichinos. M. e. al. (1991. Methyлатio. an. expressio. o. huma. pepsinoge. gene. i. norma. tissue. an. thei. alteratio. i. stomac. cancer. Jp. . Cance. Res. 8. (6). 686-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505757
NCBI GeneID	5225
NCBI Accession #	NP_002621.1
NCBI GenBank Nucleotide #	NM_002630.3
Molecular Weight	34,208 Da
NCBI Official Full Name	gastricsin isoform 1 preproprotein
NCBI Official Synonym Full Names	progastricsin (pepsinogen C)
NCBI Official Symbol	PGC
NCBI Official Synonym Symbols	PEPC; PGII
NCBI Protein Information	gastricsin; pepsin C; pepsinogen C; preprogastricsin; pepsinogen group II

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pepsinogen-c-pgc-antibody-immunoprecipitation-western-blot-elisa/259513>