

Rabbit anti-Human Pepsinogen II (PG II) Monoclonal Antibody | anti-PGC antibody

Pepsinogen II (PG II) Rabbit mAb

CATALOG # AAA282950	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
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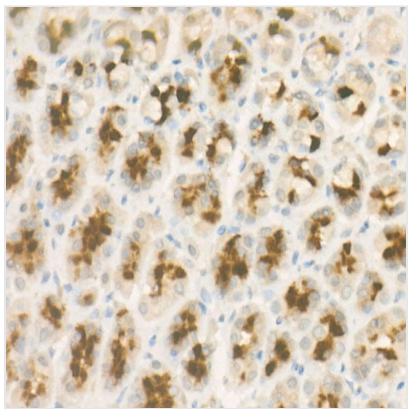
PRODUCT SYNONYMS

Pepsinogen II (PG II); Monoclonal Antibody; Pepsinogen II (PG II) Rabbit mAb; PEPC; PGII; anti-PGC antibody

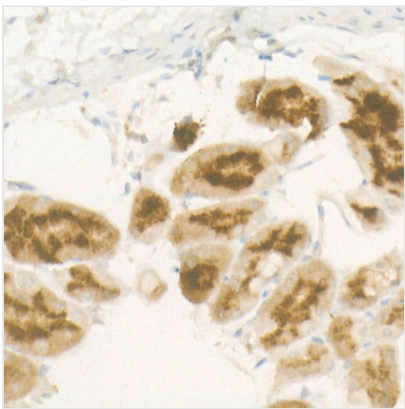
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MKWMVVVLVC LQLLEAAVVK VPLKKFKSIR ETMKEKGLLG EFLRTHKYDP AWKYRFGDLS VTYEPMAYMD AAYFGEISIG TPPQNFLVLF DTGSSNLWVP SVYCQSQACT SHSRFNPSES STYSTNGQTF SLQYGGSGSLT GFFGYDTLTV QSIQVPNQEFLGSENEPGTN FVYAQFDGIM GLAYPALSVD EATTAMQGMV QEGALTSPVF SVYLSNQQS SGGAVVFGGV DSSLYTGQIY WAPVTQELYW QIGIEEFLIG GQASGWCSEG CQAIVDTGTS LLTVPQQYMS ALLQATGAQE DEYGQFLVNC NSIQNLPSLT FIINGVEFPL PPSSYILSNN GYCTVGVEPT YLSSQNGQPL WILGDVFLRS YYSVYDLGNN RVGFATAA
Applicable Applications for anti-PGC antibody	ELISA, IHC (Immunohistochemistry)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-388 of human Pepsinogen II (PG II)(NP_002621.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

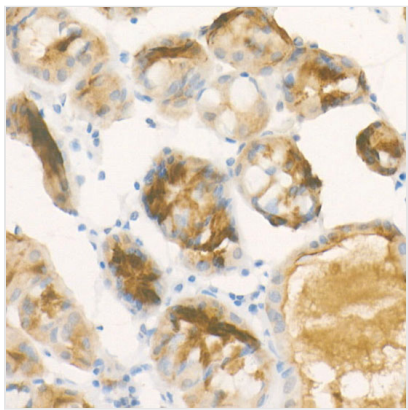
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded Rat stomach using Pepsinogen II (PG II) Rabbit mAb (AAA282950) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse stomach using Pepsinogen II (PG II) Rabbit mAb (AAA282950) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human stomach using Pepsinogen II (PG II) Rabbit mAb (AAA282950) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-PGC antibody	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 pHby 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.
Product Categories/Family for anti-PGC antibody	Cancer; Tumor biomarkers; Signal Transduction; Endocrine Metabolism; Amino acid metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	129796
NCBI GeneID	5225
UniProt Accession #	P20142; Q5T3D7; Q5T3D8; B4DVZ3
Molecular Weight	Calculated MW: 42kDa

UniProt Protein Name	Gastricsin
UniProt Gene Name	PGC
UniProt Entry Name	PEPC_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/pepsinogen-ii-pg-ii-antibody-immunohistochemistry-elisa/282950>