

Rabbit PGC Polyclonal Antibody | anti-PGC antibody

PGC antibody

CATALOG # AAA308000	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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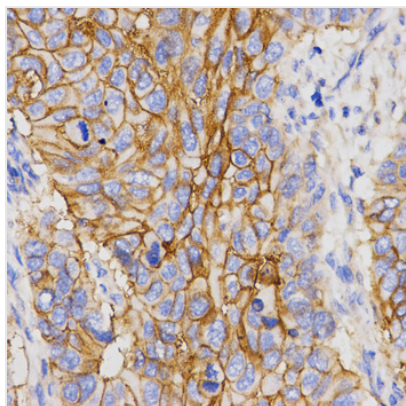
PRODUCT SYNONYMS

PGC; Polyclonal Antibody; PGC antibody; PEPC; PGII; anti-PGC antibody

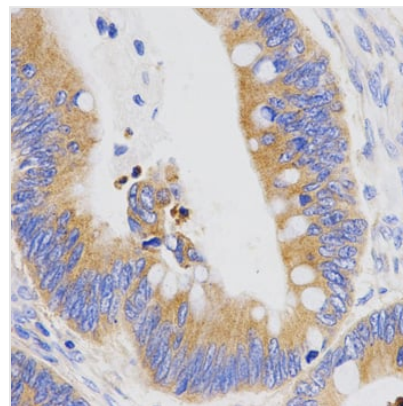
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PGC antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	315
Applicable Applications for anti-PGC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Protein
Immunogen Description	Fusion protein of human PGC.
Target Name	PGC
Preparation and Storage	Store at -20 degree C

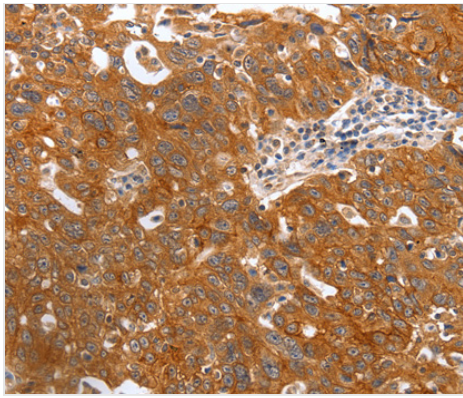
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human stomach cancer tissue using PGC antibody at dilution of 1:200 (x400 lens).

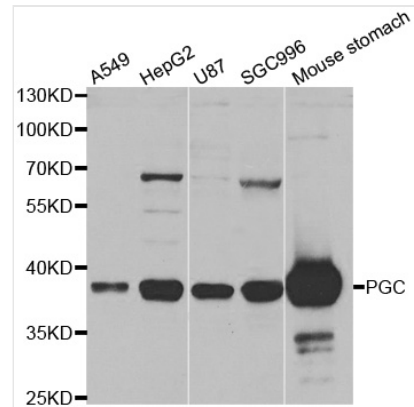

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human rectal tissue using PGC antibody at dilution of 1:200 (x400 lens).



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human ovarian cancer tissue using PGC antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PGC antibody.

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 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.

Product Categories/Family for anti-PGC antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	262206232
NCBI GeneID	5225
NCBI Accession #	NP_001159896.1
NCBI GenBank Nucleotide #	NM_001166424.1
UniProt Accession #	P20142; Q5T3D7; Q5T3D8; B4DVZ3
Molecular Weight	34,208 Da
NCBI Official Full Name	gastricsin isoform 2 preproprotein
NCBI Official Synonym Full Names	progastricsin (pepsinogen C)
NCBI Official Symbol	PGC
NCBI Official Synonym Symbols	PEPC; PGII
NCBI Protein Information	gastricsin
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.