



Pepsin C Polyclonal Antibody

Catalog No	BYab-02747
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	PGC
Protein Name	Gastricsin
Immunogen	The antiserum was produced against synthesized peptide derived from human Pepsin C. AA range:257-306
Specificity	Pepsin C Polyclonal Antibody detects endogenous levels of Pepsin C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PGC; Gastricsin; Pepsinogen C
Observed Band	42kD
Cell Pathway	Secreted.
Tissue Specificity	Brain,Liver,Placenta,Stomach,
Function	catalytic activity:More restricted specificity than pepsin A, but shows preferential cleavage at Tyr- -Xaa bonds. High activity on hemoglobin.,function:Hydrolyzes a variety of proteins.,similarity:Belongs to the peptidase A1 family.,
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

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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. [provided by RefSeq, Oct 2009],

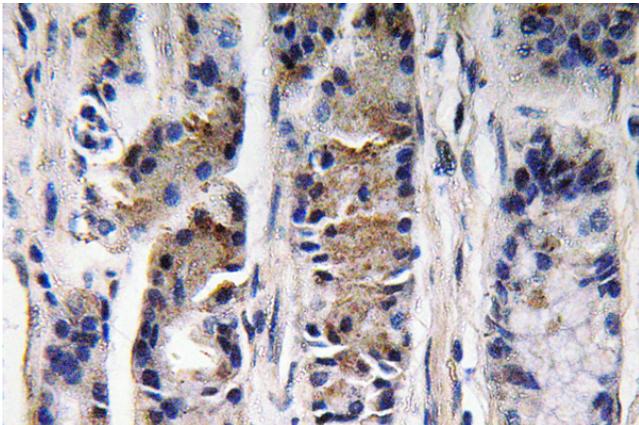
matters needing attention

Avoid repeated freezing and thawing!

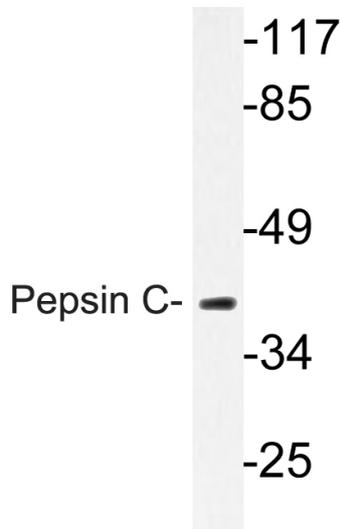
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of Pepsin C antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from Jurkat cells, using Pepsin C antibody.