

## PGA5 Monoclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-MCA1020
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human PGA5 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Pepsin A
Synonyms	0

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

This gene encodes a protein precursor of the digestive enzyme pepsin, a member of the peptidase A1 family of endopeptidases. The encoded precursor is secreted by gastric chief cells and undergoes autocatalytic cleavage in acidic conditions to form the active enzyme, which functions in the digestion of dietary proteins. This gene is found in a cluster of related genes on chromosome 11, each of which encodes one of multiple pepsinogens. Pepsinogen levels in serum may serve as a biomarker for atrophic gastritis and gastric cancer.

### Recommended Dilution

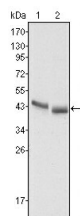
ELISA: 1:10000

IHC: 1:200 - 1:1000

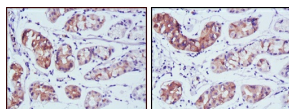
WB: 1:500 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using PGA5 Monoclonal antibody against HepG2 (1) and SMMC-7721 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human stomach cancer tissues with DAB staining using PGA5 Monoclonal antibody.

### Storage

-20°C for one year

