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PGA4 Mouse mAb

Catalog # AP96606

Product Information

Application	WB
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	42 KDa
Physical State	Liquid
Immunogen	Recombinant human PGA4 protein
Epitope Specificity	16-388/388
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	PBS (pH7.4).
SIMILARITY	Belongs to the peptidase A1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Pepsin is one of the main proteolytic enzymes secreted by the gastric mucosa. Pepsin consists of a single polypeptide chain and arises from its precursor, pepsinogen, by removal of a 41 amino acid segment from the N-terminus. Pepsinogen is synthesized in the stomach lining, and hydrochloric acid, also produced by the gastric mucosa, is necessary to convert the inactive enzyme and to maintain the optimum acidity (pH 1-3) for pepsin function. Pepsin is particularly effective in cleaving peptide bonds involving aromatic amino acids. Pepsin shows extremely broad specificity, and although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent. The amino acid composition of Pepsin C differs from those of pepsinogen and pepsin especially in the content of basic amino acids, glutamic acid, aspartic acid, leucine and isoleucine.

Additional Information

Other Names	pepsinogen A4; pepsinogen 4, group I (pepsinogen A); pepsin A; Pepsin A-4; PEPA4_HUMAN; PGA4; pepsinogen 4, group I(pepsinogen A); Pepsin A 4; Pepsinogen-4
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	PGA4 Mouse mAb
Function	Shows particularly broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.