

产品名称: PGA5 Mouse Monoclonal Antibody
产品货号: AMM80778



产品概述 (Summary)

产品名称 (Production Name)	PGA5 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	PBS containing 0.03% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PGA5
别名 (Alternative Names)	Pepsinogen 5; Pepsin A
基因 ID (Gene ID)	5222.0
蛋白 ID (SwissProt ID)	P0DJD9.Purified recombinant fragment of human PGA5 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	42kDa

研究背景 (Background)

PGA5: Pepsinogen 5, group I (pepsinogen A). Pepsinogens are the inactive precursors of pepsin, the major acid protease found in the stomach. Pepsin is one of the main proteolytic enzymes secreted by the gastric mucosa. Pepsin consists of a

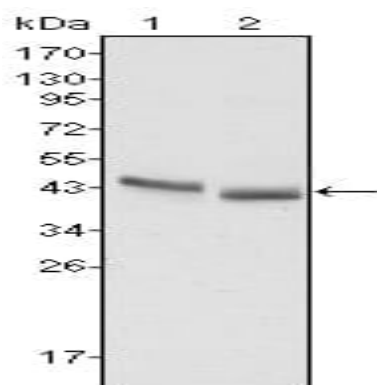
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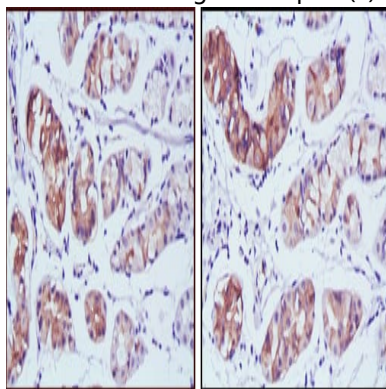
single polypeptide chain and arises from its precursor, pepsinogen, by removal of a 41 amino acid segment from the N-terminus. Pepsinogen is synthesized in the stomach lining, and hydrochloric acid, also produced by the gastric mucosa, is necessary to convert the inactive enzyme and to maintain the optimum acidity (pH 1-3) for pepsin function. Pepsin is particularly effective in cleaving peptide bonds involving aromatic amino acids. Pepsin shows extremely broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent. PGA5 is a member of the subfamily A1 within the pepsin family and is the predominant endopeptidase in the gastric juice of vertebrates. PGA5 is inhibited by ovUS-1, a uterine serpin.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis using PGA5 mouse mAb against HepG2 (1) and SMMC-7721 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using PGA5 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .