

PGA5 Monoclonal Antibody

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|------------------------------|--|
| Catalog No : | YM0518 |
| Reactivity : | Human |
| Applications : | WB;IHC;IF;ELISA |
| Target : | PGA5 |
| Gene Name : | PGA3/PGA4/PGA5 |
| Protein Name : | Pepsin A |
| Human Gene Id : | 5222 |
| Human Swiss Prot No : | P00790 |
| Immunogen : | Purified recombinant fragment of human PGA5 expressed in E. Coli. |
| Specificity : | PGA5 Monoclonal Antibody detects endogenous levels of PGA5 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Monoclonal, Mouse |
| Dilution : | WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200 |
| Purification : | Affinity purification |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Molecularweight : | 42kD |
| P References : | 1. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903. 2. Nat Genet. 2004 Jan;36(1):40-5. |
| 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. [provided by RefSeq, Jul 2015],

Function :

catalytic activity:Preferential cleavage: hydrophobic, preferably aromatic, residues in P1 and P1' positions. Cleaves 1-Phe-|-Val-2, 4-Gln-|-His-5, 13-Glu-|-Ala-14, 14-Ala-|-Leu-15, 15-Leu-|-Tyr-16, 16-Tyr-|-Leu-17, 23-Gly-|-Phe-24, 24-Phe-|-Phe-25 and 25-Phe-|-Tyr-26 bonds in the B chain of insulin.,function:Shows particularly broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent.,similarity:Belongs to the peptidase A1 family.,

Subcellular Location :

extracellular exosome,multivesicular body lumen,

Expression :

Brain,Colon,Kidney,Placenta,Skeletal muscle,

Sort :

11860

No4 :

1

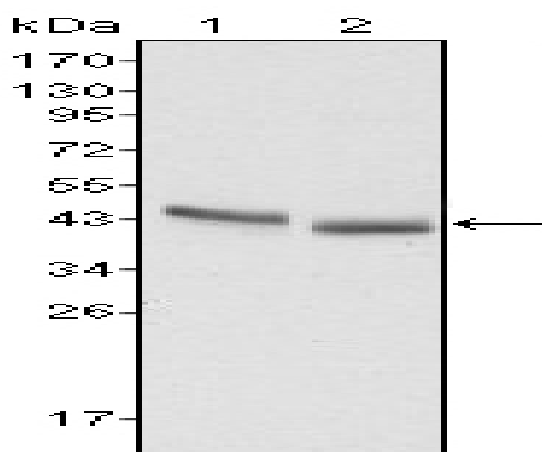
Host :

Mouse

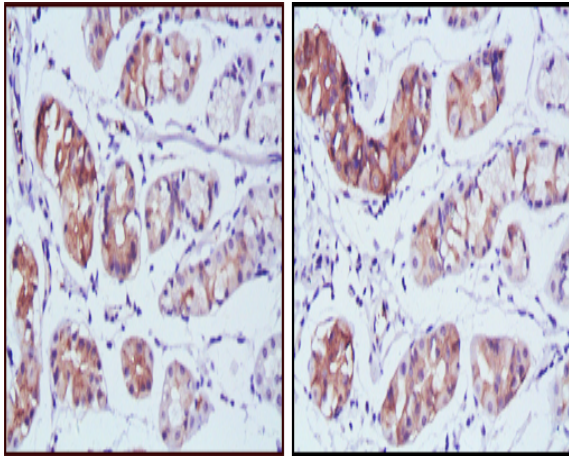
Modifications :

Unmodified

Products 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.