

Product datasheet for **AM32098PU-N**

Pepsinogen II (PGC) Mouse Monoclonal Antibody [Clone ID: L10CC10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	L10CC10
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blotting Enzyme Immunoassays. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Pepsinogen II purified from Human tissue. Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody clone <i>L10CC10</i> is specific to Human Pepsinogen II and has no crossreactivity to Human Pepsinogen I.
Formulation:	PBS State: Ig Fraction State: Liquid Ig fraction Stabilizer: 1.0% BSA Preservative: 0.09 % Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	progastricsin (pepsinogen C)
Database Link:	Entrez Gene 5225 Human P20142



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Background:

Pepsinogen II is a group of precursor molecules for pepsin. These proteins are secreted into the gastric lumen by the pyloric glands of the gastric antrum and also by the chief and neck cells of the gastric corpus (oxyntic mucosa). Negative immunohistochemical reaction for pepsinogen I (right) but positive reaction for pepsinogen II (left) is a typical sign of the antral mucosa and, in the presence of atrophic gastritis, this staining pattern indicates that the positive glands and cells are metaplastic and “pyloric” in differentiation (so called pseudopyloric metaplasia).

Synonyms:

Pepsinogen C, Progastricsin, Gastricsin, PGC