

Human GPR107 Antibody

Monoclonal Mouse IgG₁ Clone # 1040717 Catalog Number: MAB10926

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human GPR107 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1040717
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GPR107 synthetic peptide Accession # Q5VW38
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

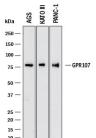
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	AGS human gastric adenocarcinoma cell line, KATO-III human gastric carcinoma cell line, and PANC-1 human pancreatic carcinoma cell line

DATA

Western Blot



Detection of Human GPR107 by Western Blot. Western blot shows lysates of non-boiled AGS human gastric adenocarcinoma cell line, KATO-III human gastric carcinoma cell line, and PANC-1 human pancreatic carcinoma cell line. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human GPR107 Monoclonal Antibody (Catalog # MAB10926) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for GPR107 at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Western Blot Buffer Group 1.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human GPR107 is an 'orphan' 7-transmembrane receptor from the G protein-coupled receptor (GPCR) family of proteins.

GPR107 has been proposed to act as a receptor for Neuronostatin, a peptide derived from the somatostatin/SST precursor. Neuronostatin acts via GPR107 to increase cAMP-independent PKA phosphorylation and proglucagon mRNA accumulation in pancreatic α-cells.

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