

DESCRIPTION

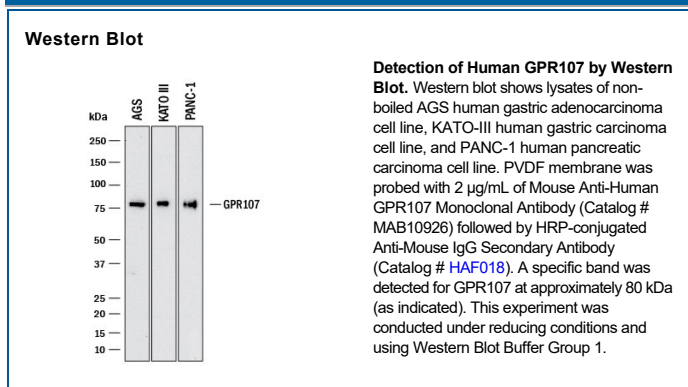
Species Reactivity	Human
Specificity	Detects human GPR107 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1040717
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GPR107 synthetic peptide Accession # Q5VW38
Formulation	Lyophilized from a 0.2 µm filtered 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



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.