

Anti-GPR106 Antibody

Catalog # AP61358

Product Information

Application	WB, IF/IC
Primary Accession	Q8WXD0
Reactivity	Human, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86453

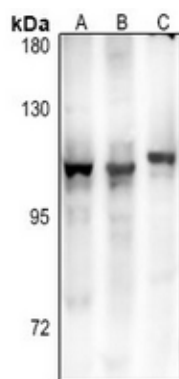
Additional Information

Gene ID	122042
Other Names	GPR106; GREAT; LGR8; Relaxin receptor 2; G-protein coupled receptor 106; G-protein coupled receptor affecting testicular descent; Leucine-rich repeat-containing G-protein coupled receptor 8; Relaxin family peptide receptor 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR106. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

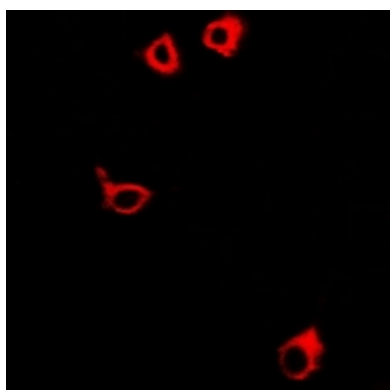
Protein Information

Name	RXFP2
Synonyms	GPR106, GREAT, LGR8
Function	Receptor for relaxin. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. May also be a receptor for Leydig insulin-like peptide (INSL3).
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow

Images



Western blot analysis of GPR106 expression in Hela (A), Jurkat (B), mouse brain (C) whole cell lysates. (Predicted band size: 86 kD; Observed band size: 110 kD)



Immunofluorescent analysis of GPR106 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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