

Anti-GPR114 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 57 kDa. Actual: 67 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Hela Cell (Human) Lysate at 30 µg Primary: Anti-GPR114 (TMAB-06688) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 67 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GPR114
Antigen Species:	Human
Gene ID:	221188
Uniprot ID:	Q8IZF4

Research Background

G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR114 (G protein-coupled receptor 114), also known as G-protein coupled receptor PGR27, is a 528 amino acid multi-pass membrane protein belonging to the G-protein coupled receptor 2 family and LN-TM7 subfamily. Containing one GPS domain and mapping to human chromosome 16, GPR114 functions as an orphan receptor. Chromosome 16 encodes over 900 genes, comprises nearly 3% of the human genome and is associated with both Rubinstein-Taybi syndrome and Crohn's disease.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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