Data Sheet (Cat.No.TMAB-06704)

Anti-GPR21 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Pig,Cow,Horse,Monkey)
Molecular Weight:	Theoretical: 38 kDa. Actual: 35 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: MCF-7 (Human) Cell Lysate at 40 μg Primary: Anti-GPR21 (TMAB-06704) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 35 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 G protein coupled receptor 21
Antigen Species:	Human
Gene ID:	2844
Uniprot ID:	Q99679

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. GPR21 is a 349 amino acid multi-pass membrane protein that functions as an orphan receptor and belongs to the GPR1 family. The gene encoding GPR21 maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9.

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