Data Sheet (Cat.No.TMAB-06736)

Anti-GPRC5C Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig,Sheep)
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Pancreas (Mouse) Lysate at 40 µg Primary: Anti-GPRC5C (TMAB-06736) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 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 GPRC5C
Antigen Species:	Human
Gene ID:	55890
Uniprot ID:	Q9NQ84

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. GPRC5C (G protein-coupled receptor, family C, group 5, member C), also known as RAIG3, is a 441 amino acid multi-pass membrane protein that localizes to cytoplasmic vesicles and belongs to the G protein-coupled receptor family. Expressed at high levels in stomach, liver, prostate, kidney and pancreas, GPRC5C is thought to function as a retinoic acid-inducible GPR that may play a role in signaling events throughout the cell. GPRC5C is subject to DNA damage-dependent phosphorylation, probably by ATM or ATR.

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