SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GPRC5C antibody

Catalog Number: SL15394R

FOR RESEARCH USE ONLY

[DATASHEET]

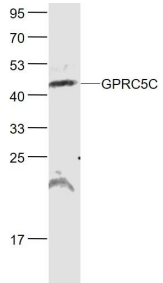
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPRC5C
Immunogen:	KLH conjugated synthetic peptide derived from human GPRC5C: 51-150/441 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse (predicted:Human,Rat,Pig,Sheep)
Predicted MW.:	46kDa
Subcellular Location:	The cell membrane
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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways (By similarity). **Subcellular Location:** Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Localized in the plasma membrane and perinuclear vesicles. **Tissue Specificity:** Expression is highest in the periphery, particularly in the stomach, but also in the kidney, liver, pancreas, and prostate. In brain, levels of expression are generally lower than in the periphery, with the exception of cerebellum, spinal cord, and dorsal root ganglia (DRG). **Similarity:** Belongs to the G-protein coupled receptor 3 family. **Database links:** **Entrez Gene:** 55890 Human **Entrez Gene:** 70355 Mouse **Entrez Gene:** 287805 Rat Omim: 605949 Human **SwissProt:** Q9NQ84 Human **SwissProt:** Q8K3J9 Mouse **SwissProt:** Q3KRC4 Rat **Unigene:** 446438 Human **Unigene:** 242413 Mouse **Unigene:** 3658 Rat

[VALIDATION IMAGES]



Sample:
Pancreas (Mouse) Lysate at 40 ug
Primary: Anti- GPRC5C (SL15394R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 46 kD
Observed band size: 46 kD

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