Rabbit GPRC5C Polyclonal Antibody | anti-GPRC5C antibody

GPRC5C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322529	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

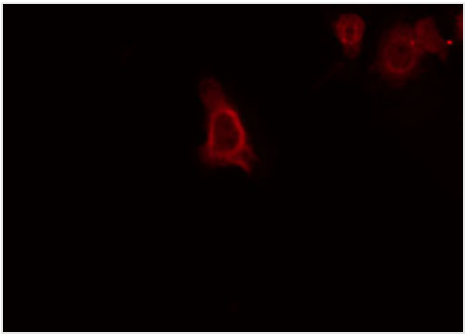
PRODUCT SYNONYMS

GPRC5C; Polyclonal Antibody; GPRC5C Antibody; G protein coupled receptor family C group 5 member C; G-protein coupled receptor family C group 5 member C; GPC5C_HUMAN; GPCR5C; Gprc5c; MGC131820; Orphan G protein coupled receptor; RAIG-3; RAIG3; Retinoic acid responsive gene protein; Retinoic acid-induced gene 3 protein; anti-GPRC5C antibody

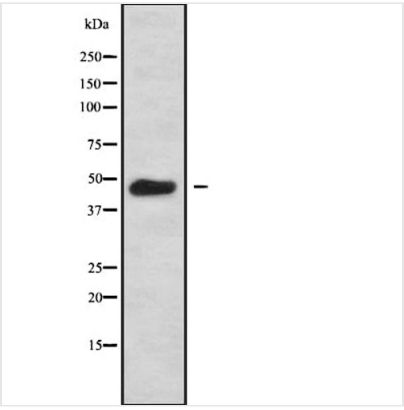
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GPRC5C antibody detects endogenous levels of total GPRC5C
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	453
Applicable Applications for anti-GPRC5C antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPRC5C
Subcellular Location	Cell Membrane. Cytoplasmic Vesicle Membrane. 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).
Predicted Cross Reactivity	**Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA322529 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis GPRC5C using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GPRC5C antibody	Function: This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways. Similarity: Belongs to the G-protein coupled receptor 3 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40217833
NCBI GeneID	55890
NCBI Accession #	NP_061123.3
NCBI GenBank Nucleotide #	NM_018653.3
UniProt Accession #	Q9NQ84; Q2NL85; Q9NZG5; B5BUN4
Molecular Weight	Observed: 48 kDa Predicted: 49 kDa
NCBI Official Full Name	G-protein coupled receptor family C group 5 member C isoform b
NCBI Official Synonym Full Names	G protein-coupled receptor class C group 5 member C
NCBI Official Symbol	GPRC5C
NCBI Official Synonym Symbols	RAIG3; RAIG-3
NCBI Protein Information	G-protein coupled receptor family C group 5 member C
UniProt Protein Name	G-protein coupled receptor family C group 5 member C
UniProt Gene Name	**GPRC5C**
UniProt Synonym Gene Names	RAIG3; RAIG-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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