

Rabbit anti-Human GPRC6A Polyclonal Antibody | anti-GPRC6A antibody

GPRC6A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325577	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

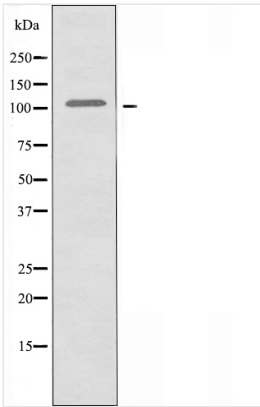
PRODUCT SYNONYMS

GPRC6A; Polyclonal Antibody; GPRC6A Antibody; bA86F4.3; G protein coupled receptor 33; G protein coupled receptor family C group 6 member A; G-protein coupled receptor family C group 6 member A; G-protein coupled receptor GPCR33; GPC6A_HUMAN; GPCR 33; GPCR 6A; GPCR; GPCR33; GPR C6A; GPRC 6A; gprc6a; hGPCR 33; hGPCR33; hGPCR6A; OTTHUMP00000017075; Predicted with SOSUI analysis; seven transmembrane helix receptor; anti-GPRC6A antibody

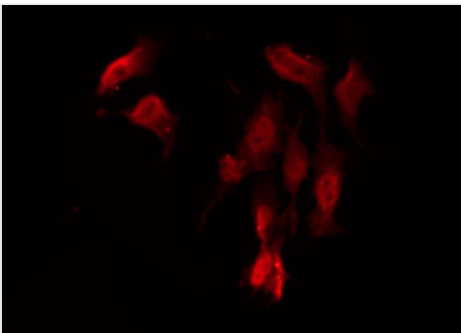
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GPRC6A antibody detects endogenous levels of total GPRC6A
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	751
Applicable Applications for anti-GPRC6A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Isoform 1 is expressed at high level in brain, skeletal muscle, testis, bone, calvaria, osteoblasts and leukocytes. Expressed at intermediate level in liver, heart, kidney and spleen. Expressed at low level in lung, pancreas, placenta and ovary. Not detected in thymus, prostate, small intestine, tongue and colon. Isoform 1 and isoform 2 are expressed in kidney at the same level. Isoform 2 is expressed at lower level than isoform 1 in the other tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using GPCR6A antibody.



IF (Immunofluorescence)
AAA325577 staining HeLa 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GPRC6A antibody	Function: Receptor activated by amino acids with a preference for basic amino acids such as L-Lys, L-Arg and L-ornithine but also by small and polar amino acids. The L-alpha amino acids respond is augmented by divalent cations Ca2+ and Mg2+. Activated by extracellular calcium and osteocalcin. Seems to act through a G(q)/G(11) and G(i)-coupled pathway. Mediates the non-genomic effects of androgens in multiple tissue. May coordinate nutritional and hormonal anabolic signals through the sensing of extracellular amino acids, osteocalcin, divalent ions and its responsiveness to anabolic steroids. Subunit Structure: Homodimer; disulfide-linked. Post-translational Modifications: N-glycosylated. Similarity: Belongs to the G-protein coupled receptor 3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	556503406
NCBI GeneID	222545
NCBI Accession #	NP_001273283.1
NCBI GenBank Nucleotide #	NM_001286354.1
UniProt Accession #	Q5T6X5; Q6JK43; Q6JK44; Q8NGU8; Q8NHZ9; Q8TDT6
Molecular Weight	Observed: 105 kD Predicted: 105 kDa
NCBI Official Full Name	G-protein coupled receptor family C group 6 member A isoform 2
NCBI Official Synonym Full Names	G protein-coupled receptor class C group 6 member A
NCBI Official Symbol	GPRC6A
NCBI Official Synonym Symbols	GPCR; bA86F4.3
NCBI Protein Information	G-protein coupled receptor family C group 6 member A
UniProt Protein Name	G-protein coupled receptor family C group 6 member A
UniProt Gene Name	GPRC6A
UniProt Synonym Gene Names	hGPRC6A; hGPCR33

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.

