

Anti-GPRC5B Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 42 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Positive control: (mo) Splenocytes (2% Paraformaldehyde-fixed) Isotype Control Antibody: Rabbit IgG; Dilution: 1 µg in 100 µl 1 X PBS containing 0.5% BSA Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1: 200 in 1 X PBS containing 0.5% BSA Primary Antibody: rabbit Anti-GPRC5B (TMAB-06734); Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA
Application:	FCM
Recommended	FCM: 1µg/Test

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 family C group 1 member B
Antigen Species:	Human
Gene ID:	51704
Uniprot ID:	Q9NZH0

Research Background

GPRC5B (G protein-coupled receptor family C group 5 member B, retinoic acid-induced gene 2 protein) is a 403 amino acid protein encoded by the human GPRC5B gene. GPRC5B is an orphan receptor member of the G protein-coupled receptor 3 family. G protein-coupled receptors (GPCRs or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. Key roles for G protein-coupled receptors include control of protein maturation and cell surface delivery, and providing the correct framework for interactions with both heterotrimeric G proteins and arrestins to allow signal generation and termination. This retinoic acid-inducible G protein-coupled receptor provides evidence for a possible interaction between retinoid and G protein signaling pathways. GPRC5B is highly expressed in kidney, pancreas and testis, and has moderate expression in brain, heart, prostate, small intestine and spleen.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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