



Mouse Anti-Human GPRC5B monoclonal antibody, clone 686037 (CABT-L1035M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human GPRC5B.
Target	GPRC5B
Immunogen	NS0 mouse myeloma cell line transfected with human GPRC5B
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Purification	Protein A/G purified
Conjugate	Unconjugated
Applications	FC Recommended Working Concentration: Flow Cytometry: 0.25 µg/10 ⁶ cells Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Purified, Lyophilised
Size	100 µg
Buffer	PBS

Preservative	None
Storage	Store at 2-8°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction G-protein coupled receptor family C group 5-member B (GPRC5B) is a retinoic acid-inducible protein that belongs to the seven-transmembrane domain family of receptors. Human GPRC5B shares approximately 85% aa sequence identity with mouse GPRC5B. Although GPRC5B is considered an "orphan receptor" and its molecular function is not completely understood, it has been implicated in obesity-associated inflammatory signaling in adipocytes and in diet-induced insulin resistance. Consistent with that, CRISPR-Cas9-mediated knock-down of the GPRC5B gene allowed the identification of signaling pathways linking the GPRC5B receptor expression to beta -cell proliferation and apoptosis.

Keywords GPRC5B; G protein-coupled receptor, family C, group 5, member B

GENE INFORMATION

Synonyms	GPRC5B; G protein-coupled receptor, family C, group 5, member B; G protein coupled receptor, family C, group 1, member B; G-protein coupled receptor family C group 5 member B
Entrez Gene ID	51704
UniProt ID	Q9NZH0