G-Biosciences Image not found or type unknown

Immunotag™ GPR56 Antibody

Antibody Specification

Catalog No.	ITA3692
Product Description	Immunotag™ GPR56 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GPR56
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	GPR56 antibody detects endogenous levels of total GPR56
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Gene Name	ADGRG1
Accession No.	Q9Y653
Alternate Names	7 transmembrane protein with no EGF like N terminal domains 1; BFPP; DKFZp781L1398; EGF TM7 like; G protein coupled receptor 56; G-protein coupled receptor 56; GPR 56; Gpr56; GPR56_HUMAN; Polymicrogyria bilateral frontoparietal; Protein TM7XN1; TM7LN4; TM7XN1; TM7XN1 protein;

Antibody Specification

Description	Receptor involved in cell adhesion and probably in cell-cell interactions. Mediates cell matrix adhesion in developing neurons and hematopoietic stem cells. Receptor for collagen III/COL3A1 in the developing brain and involved in regulation of cortical development, specifically in maintenance of the pial basement membrane integrity and in cortical lamination (By similarity). Binding to the COL3A1 ligand inhibits neuronal migration and activates the RhoA pathway by coupling to GNA13 and possibly GNA12 (PubMed:22238662). Plays a role in the maintenance of hematopoietic stem cells and/or leukemia stem cells in bone marrow niche (By similarity). Plays a critical role in cancer progression by inhibiting VEGFA production threreby inhibiting angiogenesis through a signaling pathway mediated by PRKCA (PubMed:16757564, PubMed:21724588). Plays an essential role in testis development (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	78 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.