

Mouse anti-Human GPR56 Monoclonal Antibody | anti-GPR56 antibody

GPR56

CATALOG # AAA283470	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

GPR56; Monoclonal Antibody; G-protein coupled receptor 56; Protein TM7XN1; GPR56 N-terminal fragment; GPR56 NT; GPR56(N); GPR56 extracellular subunit; GPR56 subunit alpha; GPR56 C-terminal fragment; GPR56 CT; GPR56(C); GPR56 seven-transmembrane subunit; GPR56 7TM; GPR56 subunit beta; TM7LN4; TM7XN1; anti-GPR56 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1443CT377.65.29
Specificity	This antibody is generated from a mouse immunized with a recombinant protein.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	687
Applicable Applications for anti-GPR56 antibody	ELISA, WB (Western Blot)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysate from Hela cell line, using GPR56. AAA283470 was diluted at 1:2000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



WB (Western Blot)

All lanes : Anti-GPR56 Antibody at 1:1000 dilution
Lane 1: Hela whole cell lysates
Lane 2: U87-MG whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 78 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)

All lanes : Anti-GPR56 Antibody at 1:1000 dilutionLane 1: Hela whole cell lysatesLane 2: U87-MG whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 78 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR56 antibody	Involved in cell adhesion and probably in cell-cell interactions. Regulates the migration of neural precursor cells. Receptor for collagen III/COL3A1 in the developing brain and involved in regulation of cortical development, specifically in maintenance of the pial basemant membrane integrity and in cortical lamination. Binding to the COL3A1 ligand inhibits neuronal migration and activates the RhoA pathway by coupling to GNA13 and possibly GNA12. Isoforms show differences in receptor signaling, specifically in serum response element (SRE) transcriptional activation upon overexpression. Overexpression inhibits melanoma tumor growth and metastasis and, during melanoma progression, regulates VEGFA production and angiogenesis through PRKCA; unprocessed GPR56 is inhibiting and GPR56 NT is activating angiogenesis.
Product Categories/Family for anti-GPR56 antibody	Crown Antibodies; Neuroscience; Signal Transduction
References	Liu M.,et al.Genomics 55:296-305(1999). Zendman A.J.W.,et al.FEBS Lett. 446:292-298(1999). Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases. Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	224809314
NCBI GeneID	9289
NCBI Accession #	NP_001139242.1
NCBI GenBank Nucleotide #	NM_001145770.2
UniProt Accession #	Q9Y653; O95966; Q6ZMP1; Q8NGB3; Q96HB4; A6NIT7; A6NJV9; B0M0K4; B4DR54
Molecular Weight	77738
NCBI Official Full Name	G-protein coupled receptor 56 isoform b
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor G1
NCBI Official Symbol	ADGRG1
NCBI Official Synonym Symbols	BFPP; BPPR; GPR56; TM7LN4; TM7XN1
NCBI Protein Information	G-protein coupled receptor 56
UniProt Protein Name	G-protein coupled receptor 56
UniProt Gene Name	GPR56
UniProt Synonym Gene Names	TM7LN4; TM7XN1; GPR56 NT; GPR56(N); GPR56 CT; GPR56(C); GPR56 7TM
UniProt Entry Name	GPR56_HUMAN

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.

