Product Name: **GPR56 Mouse Monoclonal Antibody**
Catalog #: **AMM82673**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	77.7kDa

Antigen Information

Gene Name	GPR56
Alternative Names	BFPP; BPPR; ADGRG1; TM7LN4; TM7XN1
Gene ID	9289.0
SwissProt ID	Q9Y653
Immunogen	Purified recombinant fragment of human GPR56 (AA: extra(26-225)) expressed in E. Coli.

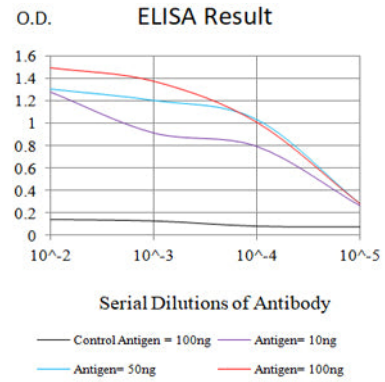
Background

This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria.

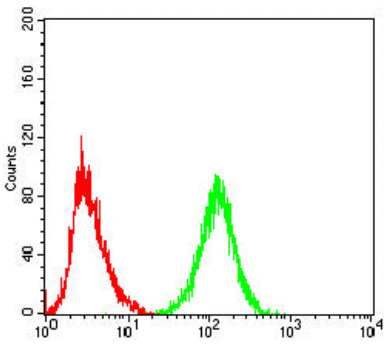
Alternative splicing results in multiple transcript variants.

Research Area

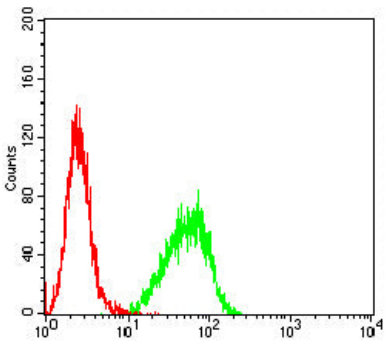
Image Data



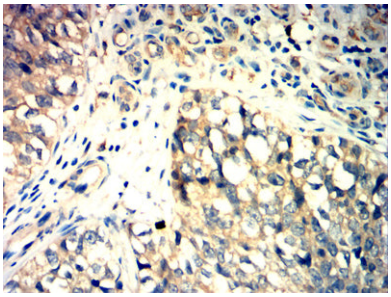
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of K562 cells using GPR56 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using GPR56 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using GPR56 mouse mAb with DAB staining.