

## Datasheet for ABIN1387527 anti-GPR56 antibody (AA 275-350)



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	GPR56
Binding Specificity:	AA 275-350
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR56 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GPR56
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

#### Target Details

Target:	GPR56
Alternative Name:	GPR56 ( <a href="#">GPR56 Products</a> )
Background:	Synonyms: BFPP, DKFZp781L1398, EGF TM7 like, G protein coupled receptor 56, GPR 56 ,

## Target Details

Polymicrogyria bilateral frontoparietal, TM7LN4, TM7XN1, TM7XN1 protein, GPR56\_HUMAN, ADGRG1, Adhesion G-protein coupled receptor G1.

Background: G protein-coupled receptors (GPRs or GPCRs), also known as seven transmembrane receptors, heptahelical receptors, or 7TM receptors, are members of the largest protein family and play a role in many different stimulus-response pathways. G-protein coupled receptors mediate extracellular signals into intracellular signals (G-protein activation). They respond to a great variety of signaling molecules, including hormones, neurotransmitters and other proteins and peptides. GPR proteins are integral seven-pass membrane proteins with some conserved amino acid regions. G-protein coupled receptor 56 (GPR56), also designated TM7XN1 protein, contains one GPS domain. GPR56 plays an important role in cell-cell interactions and is widely expressed, with highest levels detected in brain, heart and thyroid gland. Defects in the gene encoding for GPR56 can cause bilateral frontoparietal polymicrogyria (BFPP) which is characterized by disorganized cortical lamination.

Gene ID: 9289

UniProt: [Q9Y653](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

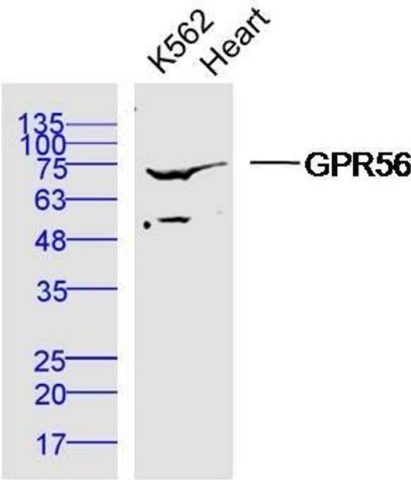
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

**Image 1.** Human K562 cells and mouse heart lysates probed with Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.