

## **GPR78 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP56940** 

## **Specification**

## **GPR78 Polyclonal Antibody - Product Information**

WB, IHC-P, IHC-F, IF, E Application

**Primary Accession** 096P69 Host **Rabbit Polyclonal** Clonality Calculated MW **39 KDa** Physical State Liquid

KLH conjugated synthetic peptide derived Immunogen

from human GPR78

**Epitope Specificity** 201-300/363

Isotype laG

**Purity** 

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane; Multi-pass membrane

protein.

**SIMILARITY Belongs to the G-protein coupled receptor** 

1 family.

This product as supplied is intended for Important Note research use only, not for use in human,

therapeutic or diagnostic applications.

#### **Background Descriptions**

affinity purified by Protein A

The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]

## **GPR78 Polyclonal Antibody - Additional Information**

### **Gene ID 27201**

## **Other Names**

G-protein coupled receptor 78, GPR78

## **Target/Specificity**

High level of expression in placenta. Expressed throughout the brain at low level. No expression detected in skeletal muscle, lung, heart, liver, pancreas, or kidney.

## **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>



="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_E">E~~N/A</span>

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **GPR78 Polyclonal Antibody - Protein Information**

#### Name GPR78

## **Function**

Orphan receptor. Displays a significant level of constitutive activity. Its effect is mediated by G(s)-alpha protein that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP.

#### **Cellular Location**

Cell membrane; Multi-pass membrane protein.

#### **Tissue Location**

High level of expression in placenta. Expressed throughout the brain at low level. No expression detected in skeletal muscle, lung, heart, liver, pancreas, or kidney

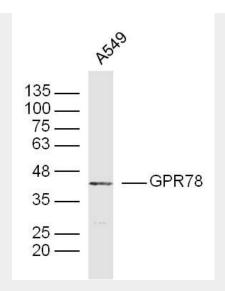
## **GPR78 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **GPR78 Polyclonal Antibody - Images**





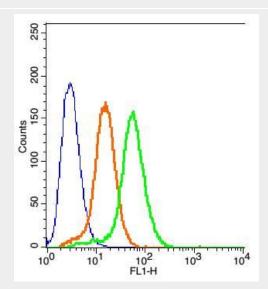
Sample:

A549 Cell (Human) Lysate at 30 ug

Primary: Anti-GPR78(bs-1807R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 39 kD Observed band size: 39 kD



Blank control: 293T Cells(blue).

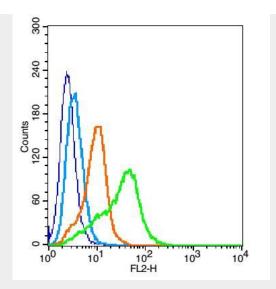
Primary Antibody: Rabbit Anti-GPR78/AF488 Conjugated antibody (bs-1807R-AF488), Dilution: 1 μg in 100 μL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/AF488(orange) ,used under the same conditions.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min) . The cells were washed twice with 1 X PBS. The cells were incubated in 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions followed by the incubated with antibody (bs-1807R-AF488, 1  $\mu g$  /1x10^6 cells) for 30 min on ice. Acquisition of 20,000 events was performed.





Blank control (blue line): U937 (blue).

Primary Antibody (green line): Rabbit Anti-GPR7 antibody (bs-1807R)

Dilution:  $1 \mu g / 10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

Dilution: 1 µg /test.

Protocol

The cells were fixed with 2% paraformaldehyde for 10 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.