

## Anti-GPR78 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 39 kDa. Actual: 39 kDa.
Purification:	Protein A purified

### Applications

1. Blank control: 293T cells (blue). Primary Antibody: Rabbit Anti-GPR78/AF488 Conjugated antibody (TMAB-06729-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 (TMAB-06729-AF488, 1 µg /1x10<sup>6</sup> cells) for 30 min on ice. Acquisition of 20,000 events was performed.

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

Primary Antibody (green line): Rabbit Anti-GPR7 antibody (TMAB-06729)

Dilution: 1 µg /10<sup>6</sup> cells;

Verified Activity: 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.

3. Sample: A549 Cell (Human) Lysate at 30 µg

Primary: Anti-GPR78 (TMAB-06729) at 1/300 dilution

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

Predicted band size: 39 kD

Observed band size: 39 kD

Application: WB,FCM

Recommended WB: 1:500-2000; FCM: 1µg/Test

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GPR78  
Antigen Species: Human  
Gene ID: 27201  
Uniprot ID: Q96P69

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### Research Background

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]

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