

## Anti-GPR55 Polyclonal Antibody

### Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Mouse                                |
| Molecular Weight: | Theoretical: 37 kDa. Actual: 37 kDa. |
| Purification:     | Protein A purified                   |

### Applications

|                            |  |
|----------------------------|--|
| Verified Activity:         | 1. Sample:   |
|                            | Lane 1: Mouse Adrenal gland tissue lysates                     |
|                            | Lane 2: Mouse Stomach tissue lysates                           |
|                            | Primary: Anti-GPR55 (TMAB-06724) at 1/1000 dilution            |
|                            | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
|                            | Predicted band size: 37 kD                                     |
|                            | Observed band size: 37 kD                                      |
|                            | 2. Sample: Embryo (Mouse) Lysate at 40 µg                      |
|                            | Primary: Anti-GPR55 (TMAB-06724) at 1/1000 dilution            |
|                            | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
| Predicted band size: 37 kD |  |
| Observed band size: 37 kD  |  |
| Application:               | WB   |
| Recommended                | WB: 1:500-2000   |

### 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: mouse CD69 |
| Antigen Species: | Mouse  |
| Gene ID:         | 9290   |

### Research Background

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. GPCR GPR55 is a member of this family (subfamily Orphan-A). It has been reported to be expressed in the brain, where mRNA transcripts were detected in the caudate nucleus and putamen, but not detected in the hippocampus, thalamus, pons cerebellum, frontal cortex of the brain. ESTs have been isolated from liver/spleen libraries.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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