

## Anti-GPR4 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 41 kDa. Actual: 45-50 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Blank control: U937. Primary Antibody (green line): Rabbit Anti-GPR4 antibody (TMAB-06714) Dilution: 1 µg/Test; Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5 µg/Test. Protocol The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
	2. Sample: Cerebrum (Mouse) Lysate at 40 µg Primary: Anti-GPR4 (TMAB-06714) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 51 kD
Application:	3. Sample: U251 (Human) Cell Lysate at 30 µg Primary: Anti-GPR4 (TMAB-06714) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 43 kD
	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 G protein coupled receptor 4  
Antigen Species: Human  
Gene ID: 2828  
Uniprot ID: P46093

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### Research Background

Enables G protein-coupled receptor activity. Involved in several processes, including G protein-coupled receptor signaling pathway; positive regulation of Rho protein signal transduction; and response to acidic pH. Located in plasma membrane. [provided by Alliance of Genome Resources, Apr 2022]

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481