

Anti-GPR125 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 143 kDa. Actual: 183 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GPR125) Polyclonal Antibody, Unconjugated (TMAB-06691) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample: Spinal cord (Mouse) Lysate at 40 µg
Primary: Anti-GPR125 (TMAB-06691) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 143 kD
Observed band size: 183 kD

Verified Activity: 3. Blank control (blue line): Mouse colon (blue).
Primary Antibody (green line): Rabbit Anti-GPR125 antibody (TMAB-06691)
Dilution: 1 µg /10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody (white blue line): F (ab')₂ fragment goat anti-rabbit IgG-FITC
Dilution: 1 µg /test.

Protocol

The cells were fixed with 2% paraformaldehyde for 10 min at room temperature. Cells stained with Primary Antibody for 30 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.

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; 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 GPR125
Antigen Species: Human
Gene ID: 166647
Uniprot ID: Q8IWK6

Research Background

GPR125 is an orphan receptor which has a leucine rich repeat (LRR), an immunoglobulin (Ig) domain, and a hormone-binding domain (HBD). The Ig domain shows similarities to motilin and tinitin, while the LRR domain shows similarities to LRIG1 and SLIT1-2. ESTs have been isolated primarily from amnion, connective tissue, ear, embryo, eye, ganglion, heart, lung, placenta, and skin libraries.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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