

## Anti-GPR84 Polyclonal Antibody 2

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rabbit (predicted:Pig,Cow)
Molecular Weight:	Theoretical: 44 kDa.
Purification:	Protein A purified

## Applications

1. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-GPCR EX33 Polyclonal Antibody, Unconjugated (TMAB-00800) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
2. Tissue/cell: human brain glioma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-EX33 Polyclonal Antibody, Unconjugated (TMAB-00800) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
3. Tissue/cell: rabbit thymus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-EX33 Polyclonal Antibody, Unconjugated (TMAB-00800) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
4. Blank control (blue): Mouse thymus cells (fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-GPCR EX33 antibody (TMAB-00800), Dilution: 1 µg in 100 uL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-Pe (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.
5. Paraformaldehyde-fixed, paraffin embedded (Human Brain Glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GPCR EX33) Polyclonal Antibody, Unconjugated (TMAB-00800) at 1: 500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (rabbit thymus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GPCR EX33) Polyclonal Antibody, Unconjugated (TMAB-00800) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
7. Blank control: U937. Primary Antibody (green line): Rabbit Anti-GPR84 antibody (TMAB-00800) Dilution: 1 µg/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488

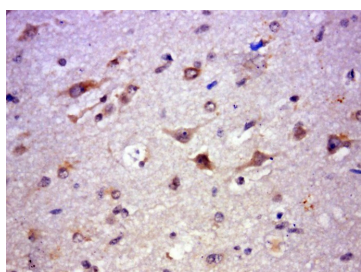
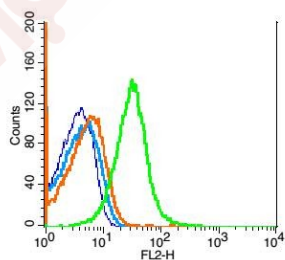
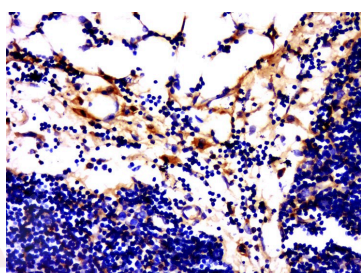
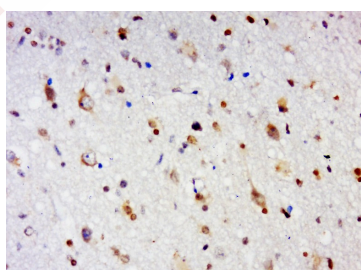
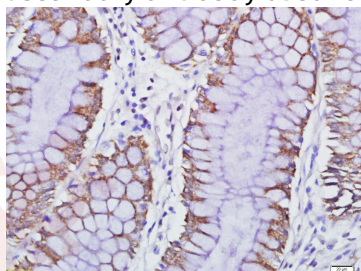
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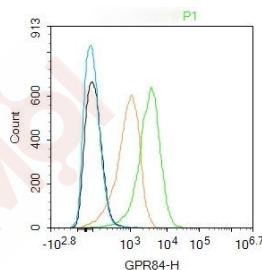
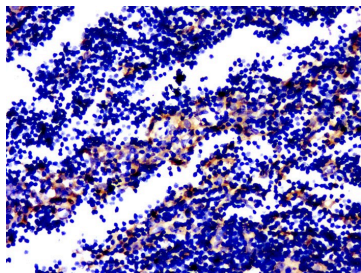
Dilution: 0.5 µg/Test.

Isotype control (orange line): Normal Rabbit IgG

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.





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

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

## Properties

Stability & Storage: 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 GPCR EX33 protein

Antigen Species: Human

Gene ID: 53831

Uniprot ID: Q9NQ55

Synonyms: GPR84;EX33;Inflammation-related G-protein coupled receptor EX33;G-protein coupled receptor 84

Biology Area: GPCR

## Research Background

G protein-coupled receptors (GPCRs), also designated seven transmembrane (7TM) receptors and heptahelical receptors, are a protein family which interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers such as diacylglycerol, cyclic AMP, inositol phosphates, and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. G protein receptor 84 (GPR84), a member of the GCPR 1 family, is an orphan GPCR expressed in bone marrow, brain, heart, muscle, colon, thymus, spleen, kidney, liver, placenta, intestine, lung and peripheral blood leukocytes. In activated T cells, GPR84 regulates early interleukin-4 (IL-4) gene expression

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