

## Anti-GPR52 Polyclonal Antibody

## Product Details

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Ig Type:          | IgG                                                |
| Reactivity:       | Human (predicted:Mouse,Rat,Cow,Horse,Rabbit,Sheep) |
| Molecular Weight: | Theoretical: 41 kDa. Actual: 41 kDa.               |
| Purification:     | Protein A purified                                 |

## Applications

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Verified Activity: | <p>1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), 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;</p> <p>Incubation: Anti-GPR52 Polyclonal Antibody, Unconjugated (TMAB-06722) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Sample: A549 Cell Lysate at 40 µg</p> <p>Primary: Anti-GPR52 (TMAB-06722) at 1/300 dilution</p> <p>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution</p> <p>Predicted band size: 41 kD</p> <p>Observed band size: 41 kD</p> |
| Application:       | WB,IHC-P,IHC-Fr,IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Recommended        | WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## 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 GPR52 |
| Antigen Species: | Human                                         |
| Gene ID:         | 9293                                          |
| Uniprot ID:      | Q9Y2T5                                        |

## Research Background

G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR52 (G protein-coupled receptor 52) is a 361 amino acid multi-pass membrane protein that belongs to the G-protein coupled receptor 1 family and has been found to be expressed in the caudate and putamen regions of the brain. The gene encoding GPR52 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome.

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

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