

## Anti-G protein beta 4 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 37 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Tissue/cell: rat lung tissue; 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; Incubation: Anti-G protein beta 4/GNB4 Polyclonal Antibody, Unconjugated (TMAB-06232) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	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 G protein beta 4
Antigen Species:	Human
Gene ID:	59345
Uniprot ID:	Q9HAV0

## Research Background

Guanine nucleotide binding proteins (G proteins) are membrane associated, heterotrimeric proteins composed of three subunits: alpha, beta and gamma. The G protein beta subunit assumes a barrel shaped beta propeller structure containing WD40 repeats preceded by an N terminal alpha helix. The beta subunit forms a stable dimer with the gamma subunit. The alpha subunit only contacts the beta subunit in the dimer, lying on the opposite face from the gamma subunit.

G proteins and their receptors (GPCRs) regulate systems as diverse as sensory perception, cell growth and hormonal regulation.

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

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