

## Anti-GFR alpha 3 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 38 kDa. Actual: 42 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Mouse Heart tissue lysates Lane 2: Mouse Stomach tissue lysates Lane 3: Rat Spleen tissue lysates Lane 4: Rat Stomach tissue lysates
Verified Activity:	Primary: Anti-GFR alpha 3 (TMAB-06451) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kDa Observed band size: 42 kDa
Application:	WB
Recommended	WB: 1:500-2000

## 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 GFR alpha 3
Antigen Species:	Human
Gene ID:	2676
Uniprot ID:	O60609

## Research Background

Glial cell line-derived neurotrophic factor (GDNF) and the related neurotrophic factor neurturin (NTN) are potent survival factors for central and peripheral neurons. GDNF is a glycosylated, disulfide-bonded homodimer that is distantly related to the TGF Beta superfamily of growth factors. Three receptors for these factors, GFR Alpha-1 (also designated GDNFR-Alpha, RETL1 or TrnR-1), GFR Alpha-2 (also designated GDNFR-Beta, RETL2, NTN-Alpha or TrnR-2) and GFR Alpha-3 have been identified. The receptors do not contain transmembrane domains and are attached to the cell membrane by glycosyl-phosphoinositol linkage. Both GFR Alpha-1 and GFR Alpha-2 have been shown to mediate the GDNF-dependent and NTN-dependent phosphorylation and activation of the tyrosine kinase Ret. GFR Alpha-3 is expressed only during development.

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

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