

## Anti-GPR88 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 38 kDa. Actual: 47 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates
Verified Activity:	Primary: Anti-GPR88 (TMAB-06732) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kDa Observed band size: 47 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 G protein coupled receptor 88
Antigen Species:	Human
Gene ID:	54112
Uniprot ID:	Q9GZN0

## 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. GPR88 (G protein-coupled receptor 88), also known as STRG, is a 384 amino acid multi-pass membrane protein that localizes to the cell membrane and belongs to the G protein coupled receptor family. Expressed exclusively in striatum, GPR88 functions as an orphan receptor that may be involved in signaling pathways throughout the cell. Human GPR88 shares 95% sequence identity with its rat counterpart, suggesting a conserved role between species.

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

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