

## Anti-GPR102 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 38 kDa. Actual: 42 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: 293T Cell (Human) Lysate at 40 µg Primary: Anti-GPR102 (TMAB-06681) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 42 kD
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 GPR102
Antigen Species:	Human
Gene ID:	83551
Uniprot ID:	Q969N4

## Research Background

Trace amines are endogenous molecules structurally related to classical biogenic amines that are linked to psychiatric conditions. A family of G-protein coupled receptors referred to as trace-amine-associated receptors (TAAR) are activated by trace amines and are present in very low levels in mammalian tissue. TaRs contain several structural features that are similar to the rhodopsin  $\beta$ -adrenergic receptor superfamily, including the positions of the seven transmembrane regions that provide common ligand-binding pockets as well as the short N- and C-terminal domains. TAAR proteins are potential targets for drugs of abuse, such as amphetamine and MDMA, as well as neuropsychiatric disorders including schizophrenia, depression, and attention deficit disorder.

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