

## Anti-GPCR GPR75 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human)
Molecular Weight:	Theoretical: 59 kDa. Actual: 54 kDa.
Purification:	Protein A purified

## Applications

Sample:	Cerebrum (Mouse) Lysate at 40 µg Heart (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-GPCR GPR75 (TMAB-06659) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 54 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 GPCR GPR75
Antigen Species:	Human
Gene ID:	10936
Uniprot ID:	O95800

## Research Background

The two G protein-coupled receptors GPR7 and GPR8 display high similarity to each other. They both show high expression in brain and in particular in hypothalamus, and have been characterized as receptors for neuropeptide W (NPW) and neuropeptide B (NPB). In response to NPW and NPB, they play a role in the regulation of feeding behavior. GPR7 deficient mice develop an adult-onset obese phenotype that progressively worsens with age and is exacerbated when fed a high-fat diet. The genes encoding human GPR7 and GPR8 map to chromosomes 10q11.2-q21.1 and 10q13.3, respectively.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481