

## Anti-GCNF Polyclonal Antibody

## Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Rabbit) |
| Molecular Weight: | Theoretical: 54 kDa. Actual: 52 kDa.                 |
| Purification:     | Protein A purified                                   |

## Applications

|                    |   |
|--------------------|---|
|                    | 1. Sample:<br>Lane 1: Mouse Cerebellum tissue lysates<br>Lane 2: Rat Cerebellum tissue lysates  |
| Verified Activity: | Primary: Anti-GCNF (TMAB-06392) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 54 kDa<br>Observed band size: 52 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 GCNF |
| Antigen Species: | Human  |
| Gene ID:         | 2649   |
| Uniprot ID:      | Q15406                                       |

## Research Background

Germ cell nuclear factor (GCNF) is an orphan member of the nuclear receptor gene superfamily that influences neurogenesis and germ cell development. GCNF can homodimerize and bind DNA. GCNF regulates paracrine interaction between the oocyte and somatic cells by regulating the expression of BMP-15 and GDF-9, to affect female fertility. GCNF is present in spermatocytes and round spermatids of adult male mouse testis; northern blot and ribonuclease protection assays have shown GCNF is predominant in the testis. The gene expresses three alternatively spliced transcript variants.

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

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