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# GCM2 Antibody (N-term) Blocking peptide
**Synthetic peptide**
**Catalog # BP10391a**

## Specification

### GCM2 Antibody (N-term) Blocking peptide - Product Information

| | |
|---|---|
| Primary Accession | O75603 |
| Other Accession | NP_004743.1 |

### GCM2 Antibody (N-term) Blocking peptide - Additional Information

**Gene ID** 9247

**Other Names**
Chorion-specific transcription factor GCMb, hGCMb, GCM motif protein 2, Glial cells missing homolog 2, GCM2, GCMB

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### GCM2 Antibody (N-term) Blocking peptide - Protein Information

**Name** GCM2 (HGNC:4198)

**Function**
Transcription factor that binds specific sequences on gene promoters and activate their transcription. Through the regulation of gene transcription, may play a role in parathyroid gland development.

**Cellular Location**
Nucleus.

### GCM2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

### GCM2 Antibody (N-term) Blocking peptide - Images

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## GCM2 Antibody (N-term) Blocking peptide - Background

This gene is a homolog of the Drosophila glial cellsmissing gene, which is thought to act as a binary switch betweenneuronal and glial cell determination. The protein encoded by thisgene contains a conserved N-terminal GCM motif that has DNA-bindingactivity. The protein is a transcription factor that acts as amaster regulator of parathyroid development. It has been suggestedthat this transcription factor might mediate the effect of calciumon parathyroid hormone expression and secretion in parathyroidcells. Mutations in this gene are associated withhypoparathyroidism.

## GCM2 Antibody (N-term) Blocking peptide - References

Mirczuk, S.M., et al. J. Clin. Endocrinol. Metab. 95(7):3512-3516(2010)Bowl, M.R., et al. Hum. Mol. Genet. 19(10):2028-2038(2010)Tomar, N., et al. Eur. J. Endocrinol. 162(2):407-421(2010)Mizobuchi, M., et al. J. Bone Miner. Res. 24(7):1173-1179(2009)He, C., et al. Nat. Genet. (2009) In press :