bs-13314R **[Primary Antibody]**

GCM2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9247 **SWISS:** O75603

Target: GCM2

Immunogen: KLH conjugated synthetic peptide derived from human GCM2: 61-160/506.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Glial cells missing homolog 2 (GCM2), also known as Chorion-specific transcription factor GCMb, is a 506 amino acid nuclear protein. GCM2 is a transcription factor that acts as an essential regulator of parathyroid development. GCM2 is also thought to mediate the effect of calcium on parathyroid hormone expression and secretion in parathyroid cells. GCM2 contains one N-terminal GCM domain, which has DNA binding activity. Mutations of the gene that encodes GCM2 are associated with hypoparathyroidism, an autosomal recessive condition characterized by hypocalcemia and hyperphosphatemia.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Dog, Horse)

Predicted MW.: 57 kDa

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[IF=2.299]** Zhang P et al. Differentiation of Rat Adipose-Derived Stem Cells into Parathyroid-Like Cells. Int J Endocrinol. 2020 Jun 12;2020:1860842. WB ;Rat. 32612651
- **[IF=1.632]** Huiting Zhang. et al. Differentiation of human umbilical cord mesenchymal stem cells into parathyroid cells by editing the PTH gene with the CRISPR/Cas9 system. Biotechnol Biotec Eq. 2021;35(1):1207-1213 FCM ;Human. 10.1080/13102818.2021.1961608