SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GCMA antibody

Catalog Number: SL6306R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GCMA
Immunogen:	KLH conjugated synthetic peptide derived from human GCMA/GCM1: 121-220/436
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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat, (predicted: Human, Mouse, Dog, Pig, Cow, Horse, Rabbit)
Predicted MW.:	48kDa
Subcellular Location:	The nucleus
Background:	This gene encodes a DNA-binding protein with a gcm-motif (glial cell missing motif). The encoded protein is a homolog of the Drosophila glial cells missing gene (gcm). This protein binds to the GCM-motif (A/G)CCCGCAT, a novel sequence among known targets of DNA-binding proteins. The N-terminal DNA-binding domain confers the unique DNA-binding activity of this protein. [provided by RefSeq, Jul 2008]. **Function:** Transcription factor that is necessary for placental development. Binds to the trophoblast-specific element 2 (TSE2) of the aromatase gene enhancer. **Subcellular Location:** Nucleus. **Tissue Specificity:** Placenta specific.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Contains 1 GCM DNA-binding domain. **Database links:** UniProtKB/Swiss-Prot: Q9NP62.1

[VALIDATION IMAGES]

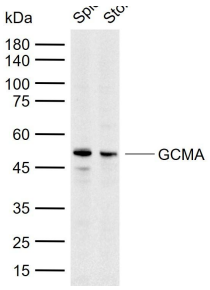


Figure 1. Sample: Lane 1: Rat Spleen tissue lysates Lane 2: Rat Stomach tissue lysates Primary: Anti-GCMA (SL6306R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 50 kDa

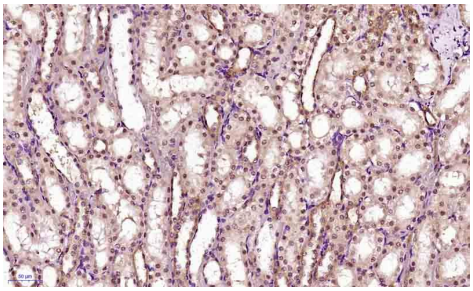


Figure 2. Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GCMA) Polyclonal Antibody, Unconjugated (SL6306R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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