



## Rabbit Anti-GMEB2 antibody

SL13456R

<b>Product Name:</b>	GMEB2
<b>Chinese Name:</b>	糖皮质激素调节元件Binding protein2抗体
<b>Alias:</b>	GMEB2; DNA binding protein p79PIF; DNA-binding protein p79PIF; Glucocorticoid modulatory element binding protein 2; Glucocorticoid modulatory element-binding protein 2; GMEB 2; GMEB-2; Gmeb2; GMEB2_HUMAN; KIAA1269; P79PIF; Parvovirus initiation factor p79; PIF p79; PIF79; RP4 663D7.1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GMEB2:101-200/530
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	GMEB-2 is a DNA-binding protein that plays a crucial role modulating transcription upon activation by steroid hormones. GMEB-2 is ubiquitously expressed with preferential expression in developmentally important tissues, such as testis, bone marrow, placenta and fetal tissues. It localizes to the nucleus and cytoplasm and

contains a SAND domain near its N-terminus and a C-terminal coiled coil structure. GMEB-2 functions as a homodimer or as a heterodimer with GMEB-1. The formed complex specifically binds to glucocorticoid modulatory elements (GME) in the promoter region of target genes and recruits the histone acetylase CREB binding protein (CBP) during glucocorticoid signaling. This acts to increase sensitivity to low concentrations of glucocorticoids. In addition, GMEB-2 functions as an auxiliary factor required for parvovirus replication.

**Function:**

Trans-acting factor that binds to glucocorticoid modulatory elements (GME) present in the TAT (tyrosine aminotransferase) promoter and increases sensitivity to low concentrations of glucocorticoids. Binds also to the transferrin receptor promoter. Essential auxiliary factor for the replication of parvoviruses.

**Subunit:**

Homodimer, and heterodimer of GMEB1 and GMEB2. GMEB1 and GMEB2 form the parvovirus initiator complex (PIF). Interacts with the glucocorticoid receptor (NR3C1). May interact with CREB-binding protein (CBP).

**Subcellular Location:**

Nucleus. Cytoplasm. May be also cytoplasmic.

**Tissue Specificity:**

Expressed in peripheral blood lymphocytes and fetal liver. Expressed preferentially in reproductive and/or developmentally important cells, such as testis, placenta, bone marrow and fetal tissues.

**Similarity:**

Contains 1 SAND domain.

**SWISS:**

Q9UKD1

**Gene ID:**

26205

**Database links:**

[Entrez Gene: 26205](#)Human

[Omir: 607451](#)Human

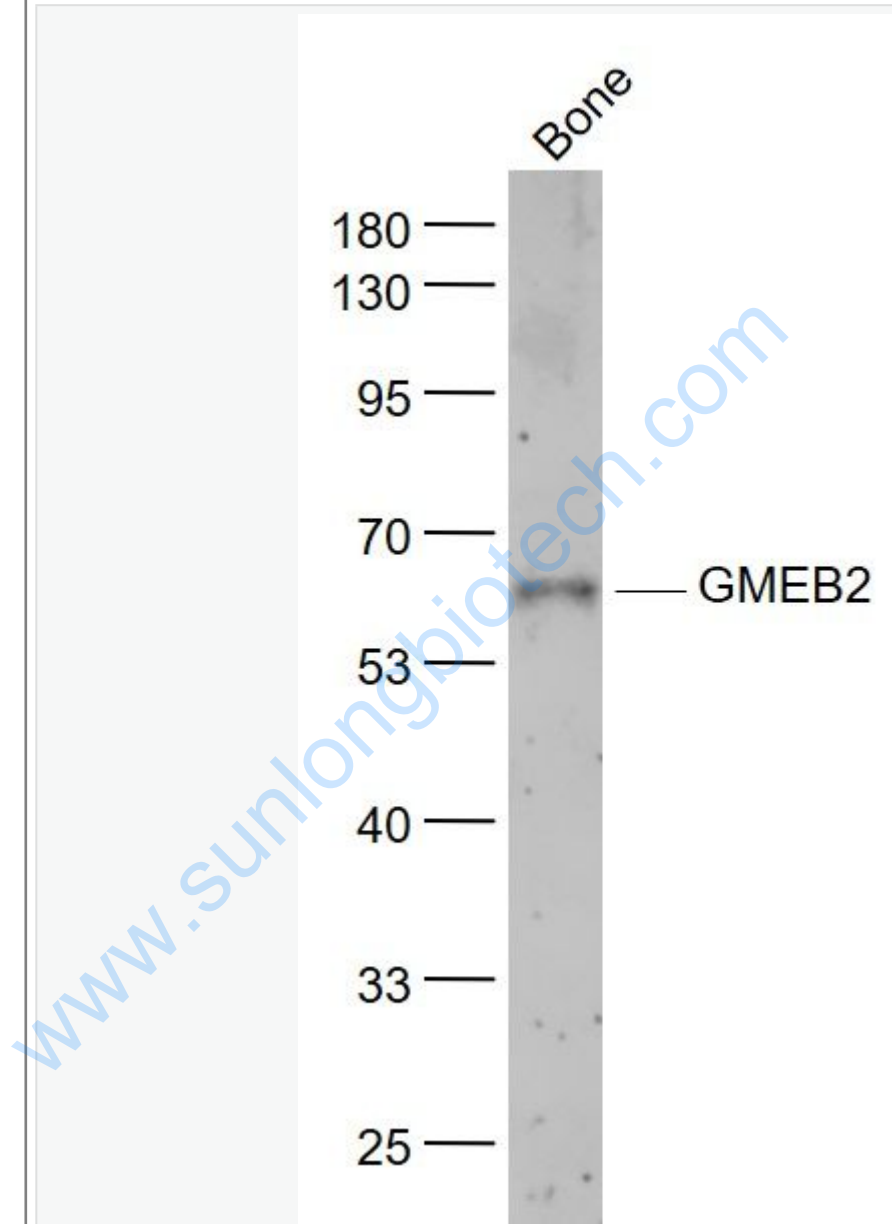
[SwissProt: Q9UKD1](#)Human

[Unigene: 473286](#)Human

**Important Note:**

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

**Picture:**



Sample:

Bone (Mouse) Lysate at 40 ug

Primary: Anti- GMEB2 (SL13456R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

	<p>Predicted band size: 56 kD</p>
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	<p>Observed band size: 56 kD</p>
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