



Rabbit Anti-GMEB1 antibody

SL13454R

Product Name:	GMEB1
Chinese Name:	糖皮质激素调节元件Binding protein1 抗体
Alias:	DNA binding protein p96PIF; DNA-binding protein p96PIF; Glucocorticoid modulatory element binding protein 1; Glucocorticoid modulatory element-binding protein 1; GMEB 1; GMEB-1; Gmeb1; GMEB1_HUMAN; P96PIF; Parvovirus initiation factor p96; PIF 96; PIF p96; PIF96.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
Applications:	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.
Molecular weight:	63kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GMEB1:301-400/573
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	GMEB-1 is a 573 amino acid protein that contains one SAND domain and is a member of the KDWK family of combinatorial transcription modulators. Localized to both the cytoplasm and the nucleus, GMEB-1 forms a heterodimer with GMEB-2 (Glucocorticoid modulatory element-binding protein 2) and, once associated with

GMEB-2, plays a key role in parvovirus DNA replication. In addition, GMEB-1 functions alone as a trans-acting factor that, by binding to glucocorticoid modulatory elements (GMEs) in TAT (tyrosine aminotransferase) promoters, increases intracellular sensitivity to glucocorticoid concentrations. GMEB-1 also interacts with initiator procaspases and, via this interaction, can inhibit caspase-induced apoptosis. Due to alternative splicing events, GMEB-1 is expressed as two isoforms.

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) and NCOA2/TIF2 (By similarity). May interact with HSP27 and CREB-binding protein (CBP).

Subcellular Location:

Nucleus. Cytoplasm. May be also cytoplasmic.

Similarity:

Contains 1 SAND domain.

SWISS:

Q9Y692

Gene ID:

10691

Database links:

UniProtKB/Swiss-Prot: Q9Y692.2

Important Note:

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