

# GMEB1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55163

## Product Information

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|                   |                              |
|-------------------|------------------------------|
| Application       | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | <a href="#">Q9Y692</a>       |
| Reactivity        | Rat, Bovine                  |
| Host              | Rabbit                       |
| Clonality         | Polyclonal                   |
| Calculated MW     | 62591                        |

## Additional Information

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|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID     | 10691                                                                                                                                                                                           |
| Other Names | Glucocorticoid modulatory element-binding protein 1, GMEB-1, DNA-binding protein p96PIF, Parvovirus initiation factor p96, PIF p96, GMEB1                                                       |
| Dilution    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                     |
| Storage     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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. |

## Protein Information

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| Name              | GMEB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Function          | Acts as a DNA-binding transcriptional regulator involved in modulating the expression of genes responsive to glucocorticoid signaling (PubMed: <a href="#">12702733</a> ). Specifically binds AT-rich DNA motifs known as glucocorticoid modulatory elements (GMEs), repressing or enhancing transcription depending on cellular context (PubMed: <a href="#">10894151</a> ). Forms heterodimeric complexes with GMEB2, which enhances its DNA-binding specificity and transcriptional activity. This complex plays a critical role in the repression of glucocorticoid receptor (GR/NR3C1) transcriptional activity, acting as a negative modulator of glucocorticoid signaling (PubMed: <a href="#">10894151</a> ). Regulates dopamine-enriched midbrain genes, including tyrosine hydroxylase/TH and the dopamine transporter SLC6A3, essential for dopamine signaling (By similarity). Also binds the transferrin receptor promoter. In the cytoplasm, inhibits caspase activation and neuronal apoptosis by stabilizing CFLARL and blocking pro-caspase 8 activation (PubMed: <a href="#">31046799</a> , PubMed: <a href="#">32514408</a> ). |
| Cellular Location | Nucleus. Cytoplasm. Note=May be also cytoplasmic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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