

# GMEB1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GMEB1.

Catalog # AT2217a

## Product Information

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<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">Q9Y692</a>
<b>Other Accession</b>	<a href="#">NM_024482</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	2A8
<b>Calculated MW</b>	62591

## Additional Information

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<b>Gene ID</b>	10691
<b>Other Names</b>	Glucocorticoid modulatory element-binding protein 1, GMEB-1, DNA-binding protein p96PIF, Parvovirus initiation factor p96, PIF p96, GMEB1
<b>Target/Specificity</b>	GMEB1 (NP_077808, 467 a.a. ~ 563 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	GMEB1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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This gene is a member of KDWK gene family. The product of this gene associates with GMEB2 protein, and the complex is essential for parvovirus DNA replication. Study of rat homolog implicates the role of this gene in modulation of transactivation by the glucocorticoid receptor bound to glucocorticoid response elements. Two alternative spliced transcript variants encoding different isoforms exist.

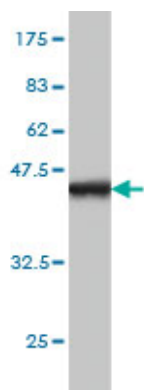
## References

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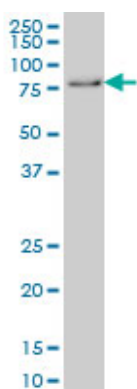
GMEB1, a novel endogenous caspase inhibitor, prevents hypoxia- and oxidative stress-induced neuronal apoptosis. Nakagawa T, et al. Neurosci Lett, 2008 Jun 13. PMID 18455874. Muscle RING-finger protein-1

(MuRF1) as a connector of muscle energy metabolism and protein synthesis. Koyama S, et al. J Mol Biol, 2008 Mar 7. PMID 18222470. A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243. Glucocorticoid modulatory element-binding protein 1 binds to initiator procaspases and inhibits ischemia-induced apoptosis and neuronal injury. Tsuruma K, et al. J Biol Chem, 2006 Apr 21. PMID 16497673. Regulation of procaspase-2 by glucocorticoid modulatory element-binding protein 1 through the interaction with caspase recruitment domain. Tsuruma K, et al. Biochem Biophys Res Commun, 2004 Dec 24. PMID 15555560.

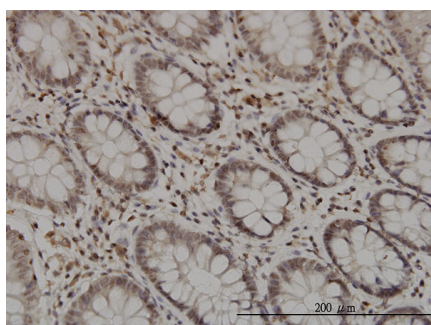
## Images



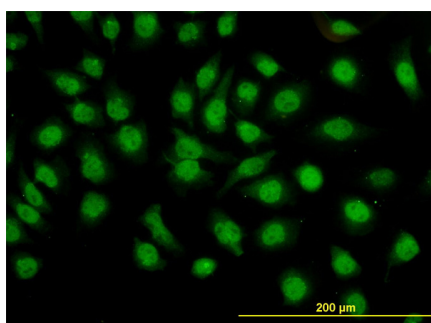
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .



GMEB1 monoclonal antibody (M01), clone 2A8 Western Blot analysis of GMEB1 expression in HeLa S3 NE (Cat # AT2217a )

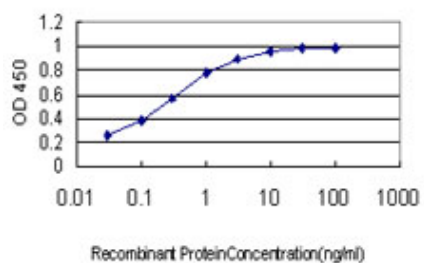


Immunoperoxidase of monoclonal antibody to GMEB1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to GMEB1 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged GMEB1 is



approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.