



## Anti-HMGB1 (aa 1-90) polyclonal antibody (DPAB-DC1568)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	HMGB1 (high mobility group box 1) is a protein-coding gene. Diseases associated with HMGB1 include staphylococcal toxic shock syndrome, and toxic shock syndrome, and among its related super-pathways are Immune System and Granzyme-A Pathway. GO annotations related to this gene include cytokine activity and sequence-specific DNA binding transcription factor activity. An important paralog of this gene is HMGB4.
<b>Immunogen</b>	HMGB1 (NP_002119, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. The sequence is  MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFEFSKKCSERWKTMSAKEKGKF EDMAKADKARYEREMKTYIPPKGETKKKFK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">HMGB1 high mobility group box 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HMGB1
<b>Synonyms</b>	HMGB1; high mobility group box 1; HMG1; HMG3; SBP-1; high mobility group protein B1; HMG-1; Amphoterin; high-mobility group box 1; high mobility group protein 1; Sulfoglucuronyl carbohydrate binding protein; high-mobility group (nonhistone chromosomal) protein 1;
<b>Entrez Gene ID</b>	<a href="#">3146</a>
<b>Protein Refseq</b>	<a href="#">NP_002119</a>
<b>UniProt ID</b>	<a href="#">A0A024RDR0</a>
<b>Chromosome Location</b>	13q12
<b>Pathway</b>	Activated TLR4 signalling; Advanced glycosylation endproduct receptor signaling; Apoptosis induced DNA fragmentation; Base excision repair
<b>Function</b>	DNA binding, bending; RAGE receptor binding; chemoattractant activity; cytokine activity

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