

## Product datasheet for **TA327915**

### **HMG1 (HMGB1) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB: 1:500-1:2000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	A synthesized peptide derived from human HMGB1.
<b>Formulation:</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
<b>Concentration:</b>	lot specific
<b>Purification:</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	24 kDa
<b>Gene Name:</b>	high mobility group box 1
<b>Database Link:</b>	<a href="#">NP_002119</a> <a href="#">Entrez Gene 15289 Mouse</a> <a href="#">Entrez Gene 25459 Rat</a> <a href="#">Entrez Gene 3146 Human</a> <a href="#">P09429</a>
<b>Background:</b>	High mobility group (HMG) proteins 1 and 2 are ubiquitous non-histone components of chromatin. Evidence suggests that the binding of HMG proteins to DNA induces alterations in the DNA architecture including DNA bending and unwinding of the helix. HMG proteins synergize with Oct-2, members of the NF $\kappa$ B family, ATF-2 and c-Jun to activate transcription.
<b>Synonyms:</b>	HMG1; HMG3; SBP-1
<b>Note:</b>	HMGB1 antibody detects endogenous levels of total HMGB1.

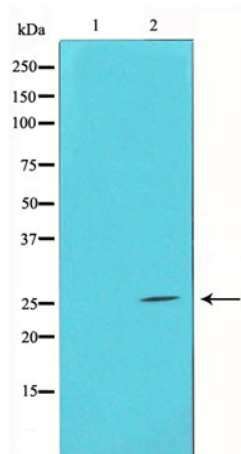


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**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Base excision repair

**Product images:**



Western blot analysis of HMGB1 expression in HepG2 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.