

Product datasheet for **TA349024**

HMGB1 (HMGB1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	WB: 1 µg/mL; IHC: 1-2 µg/mL; IF: 20 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human, mouse, and rat samples; Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	HMGB1 antibody was raised against a 19 amino acid peptide near the center of human HMGB1.
Specificity:	HMGB1 antibody is human, mouse and rat reactive.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	HMGB1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 24 kDa; Observed: 24 kDa
Gene Name:	high mobility group box 1
Database Link:	NP_002119 Entrez Gene 15289 MouseEntrez Gene 25459 RatEntrez Gene 3146 Human P09429



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Background:	The high-mobility group box 1 (HMGB1) protein was originally identified as a highly conserved nuclear DNA-binding protein that participates in DNA replication, repair and transcriptional regulation of gene expression (1,2). However, HMGB1 has more recently emerged as an extracellularly released mediator of inflammation and repair responses in lipopolysaccharide (LPS)-induced endotoxemia and sepsis (3). HMGB1 has also been suggested to induce secretion of pro-inflammatory cytokines and chemokines by inducing NF- κ B signaling downstream of Toll-like receptor (TLR) 2 and TLR4 activation (4).
Synonyms:	HMG1; HMG3; SBP-1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Base excision repair