

# Product Datasheet

## HMGB1/HMG-1 Antibody (19N12A1) - BSA Free NBP2-27400

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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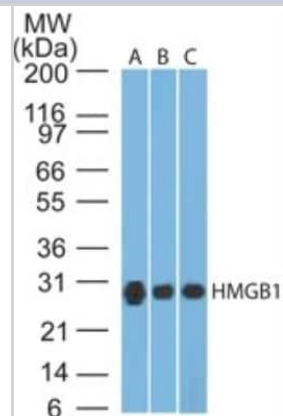
**NBP2-27400**

HMGB1/HMG-1 Antibody (19N12A1) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	19N12A1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3146
<b>Gene Symbol</b>	HMGB1
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	This antibody recognizes both B box domain (amino acids 88-162) and full length HMGB1 protein.
<b>Immunogen</b>	Full-length recombinant human HMGB1 was used as the immunogen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry
<b>Recommended Dilutions</b>	Western Blot 1 - 3 ug/mL, Simple Western 1:100, Flow Cytometry reported in scientific literature (PMID 29601597)
<b>Application Notes</b>	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in HeLa lysate 1.0 mg/mL, separated by Size, antibody dilution of 1:100, apparent MW was 35 kDa.

## Images

Western Blot: HMGB1/HMG-1 Antibody (19N12A1) [NBP2-27400] - Analysis using HMGB1 antibody. A) Full-length human HMGB1 protein, B) human HeLa cell lysate and C) mouse NIH 3T3 cell lysate were probed with HMGB1 antibody at 2 ug/mL. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Simple Western: HMGB1/HMG-1 Antibody (19N12A1) [NBP2-27400] - Image shows a specific band for HMGB1 in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Coleman LG Jr, Maile R, Jones SW et al. HMGB1/IL-1beta complexes in plasma microvesicles modulate immune responses to burn injury. PLoS One 2018-03-30 [PMID: 29601597] (FLOW, Mouse)



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### Products Related to NBP2-27400

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-27400PE	HMGB1/HMG-1 Antibody (19N12A1) [PE]

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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