

# Product Datasheet

## HMGB1/HMG-1 Antibody (19N10B7) - Azide and BSA Free NBP2-27395

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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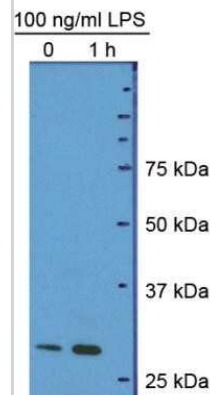


**NBP2-27395****HMGB1/HMG-1 Antibody (19N10B7) - Azide and BSA Free**

<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>	19N10B7
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse HMGB1/HMG-1 Antibody (19N10B7) - Azide and BSA Free (NBP2-27396) is a monoclonal antibody validated for use in IHC, WB, Flow and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3146
<b>Gene Symbol</b>	HMGB1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Based upon immunogen sequence similarity, this antibody is predicted to react with Rat (99%), Bovine (99%), Porcine/Pig (99%), Chinese Hamster (99%), Chicken (91%), Canine/Dog (100%), Primate/Monkey (100%) and Equine/Horse (100%).
<b>Specificity/Sensitivity</b>	This antibody recognizes both A box domain (amino acids 9-79) and full length HMGB1 protein.
<b>Immunogen</b>	Full-length recombinant human HMGB1 protein
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1-3ug/ml~, Simple Western, Flow Cytometry 1ul/1 million cells, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5ug/ml~, CyTOF-ready
<b>Application Notes</b>	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation

## Images

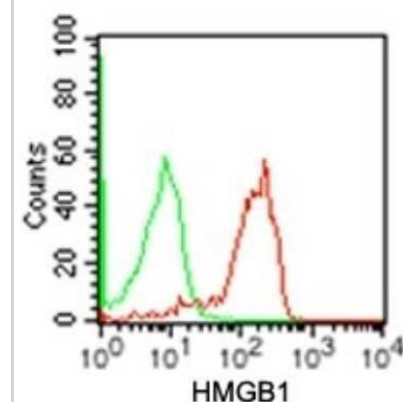
Western Blot: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Hepatocyte protein lysate at 1:1000 4C overnight. Image from verified customer review.



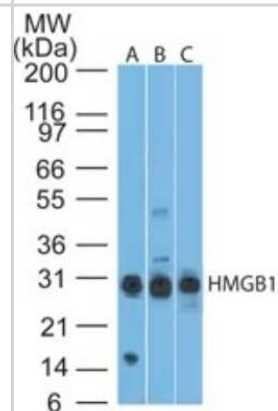
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of normal human colon using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. Representative image shows specific HMGB1 nuclear positivity in different mucosal cells of the colon. Image using the standard format of this product.



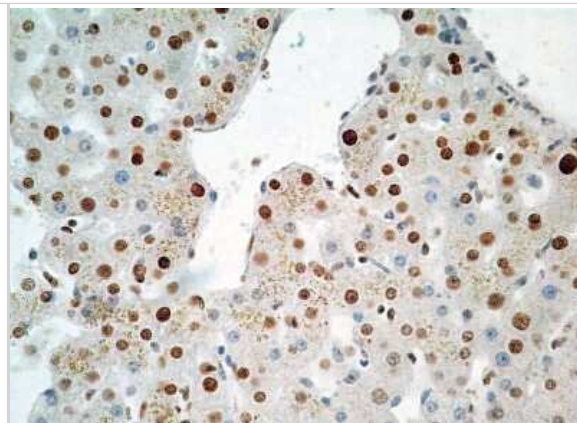
Flow Cytometry: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Intracellular analysis using HMGB1 antibody. Human Jurkat cells were probed using 0.5 ug of HMGB1 antibody (red) and 0.5 ug of isotype control antibody (green). this antibody was used for this test.



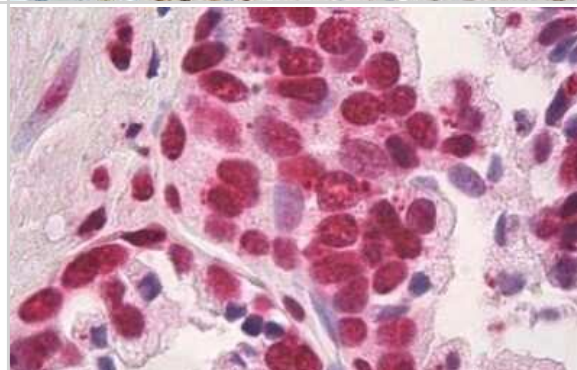
Western Blot: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - analysis using HMGB1 antibody. A) Full-length human HMGB1 protein, B) human Jurkat cell lysate and C) mouse NIH 3T3 cell lysate were probed with HMGB1 antibody at 2 ug/ml. goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



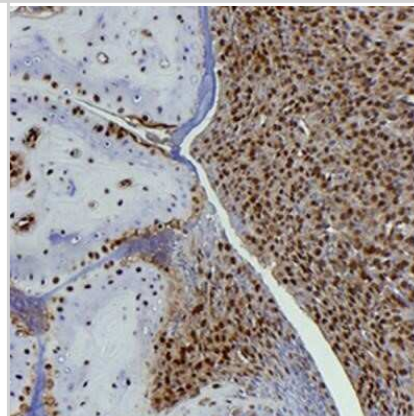
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Formalin-fixed, paraffin-embedded human liver tissue stained with HMGB1 antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



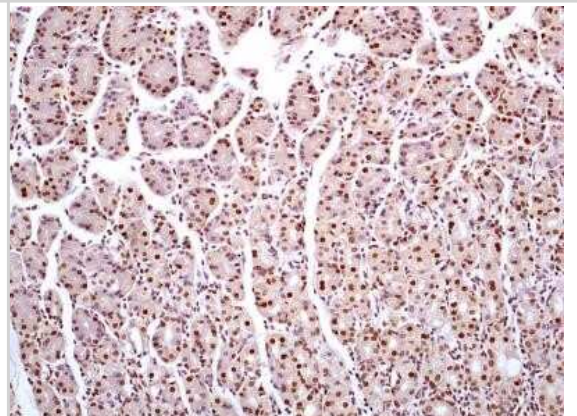
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Formalin-fixed, paraffin-embedded human prostate tissue stained with HMGB1 antibody at 10 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



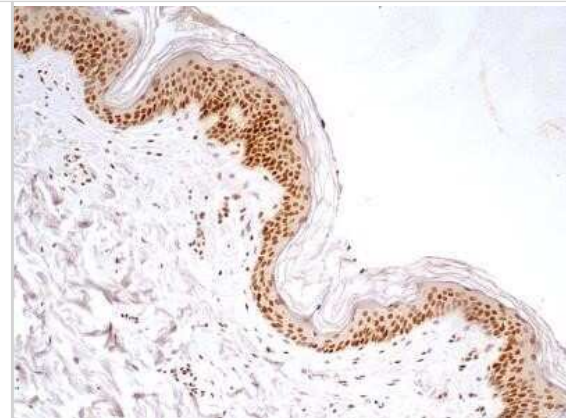
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Analysis using Azide/BSA FREE version of NBP2-27395. IHC-P analysis of formalin-fixed, decalcified, paraffin embedded tissue section from the paws of mouse (collagen-induced arthritis model) using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. [Image courtesy of Dr Ulf Andersson, Karolinska Institute].



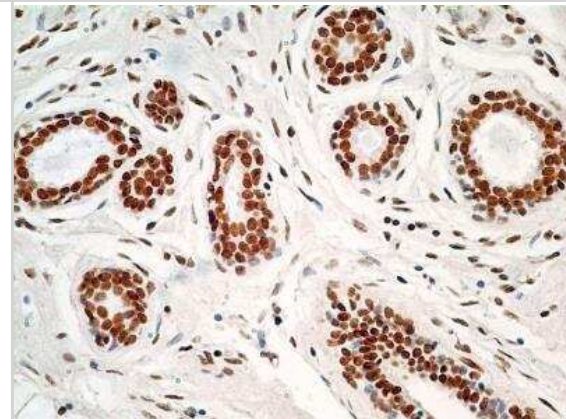
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of human stomach using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. Distinct nuclear staining of HMGB1 was observed in different cells of the glandular stomach.



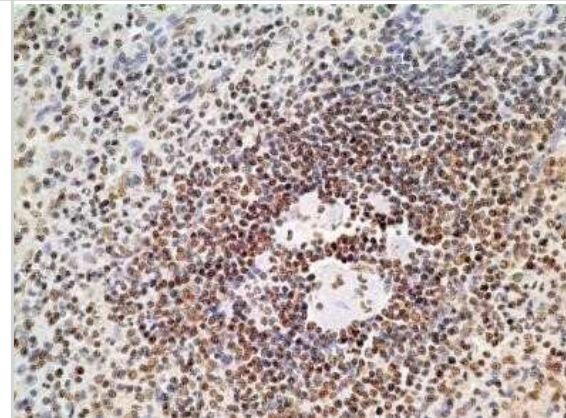
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of normal human skin using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. The various cells of the epidermal layer showed intense nuclear staining along with weak cytoplasmic staining. The blood vessels, glandular cells and the other cells in dermal layer also showed nuclear positivity for HMGB1 immunostaining.



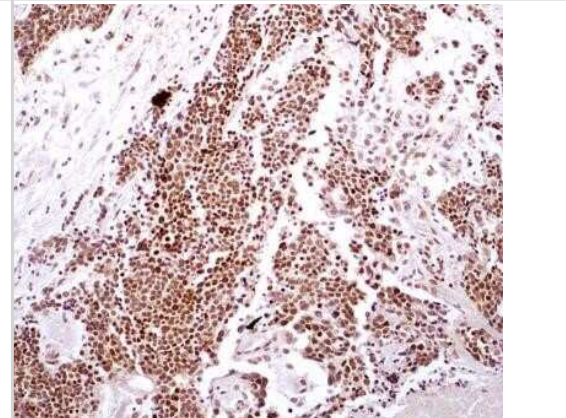
Immunohistochemistry: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Formalin-fixed, paraffin-embedded human breast stained with HMGB1 antibody at 5 ug/ml.



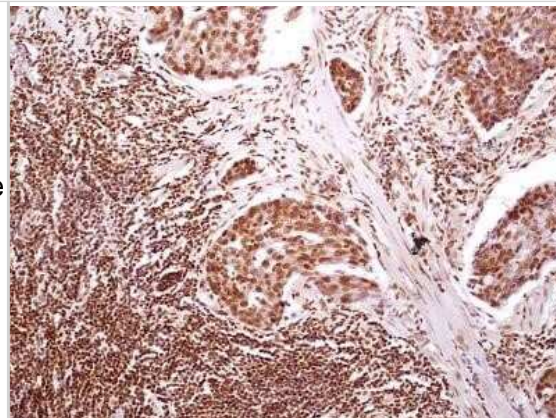
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Formalin-fixed, paraffin-embedded human spleen tissue stained with HMGB1 antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min. Image using the standard format of this product.



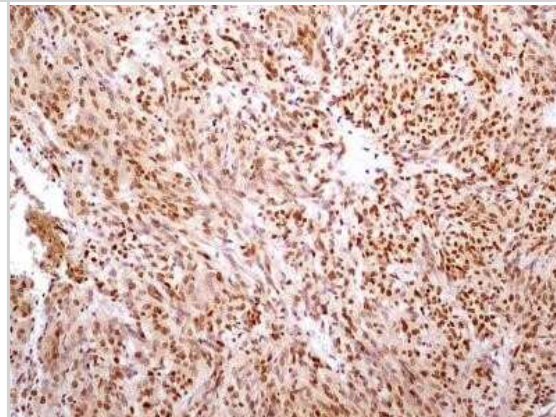
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of human bladder cancer using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. Strong nuclear HMGB1 immunopositivity was observed in the bladder cancer cells whereas the staining was weak in cells of tumor stroma. Image using the standard format of this product.



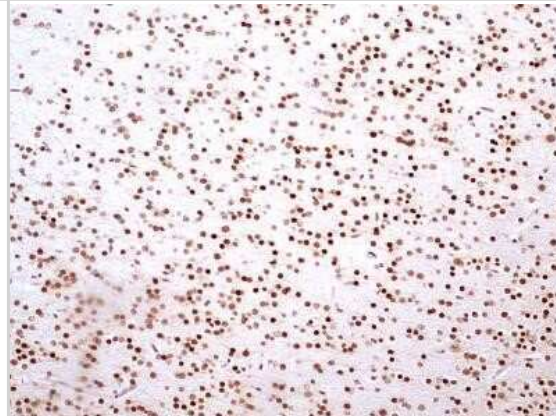
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of human stomach cancer using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. This representative image shows a distinct nuclear HMGB1 immunopositivity in the cancerous and sub-mucosal cells. Image using the standard format of this product.



Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of malignant stromal tumor of small bowel from human using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. HMGB1 immunopositivity of differential intensity was observed in the cells of tested section. Image using the standard format of this product.



Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - IHC-P detection of HMGB1 protein in a formalin-fixed paraffin-embedded tissue section of normal human brain using HMGB1 antibody (clone 19N10B7) at 5 ug/ml concentration. Representative image shows a distinct nuclear immunostaining of HMGB1 in the various brain cells. Image using the standard format of this product.



Simple Western: HMGB1/HMG-1 Antibody (19N10B7) - Azide Free [NBP2-27395] - Simple Western lane view shows a specific band for HMGB1 in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230kDa separation system.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-27395**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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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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