

Product Datasheet

HMGB1/HMG-1 Antibody (19N15F4) - BSA Free NBP2-27401

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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NBP2-27401

HMGB1/HMG-1 Antibody (19N15F4) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	19N15F4
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description

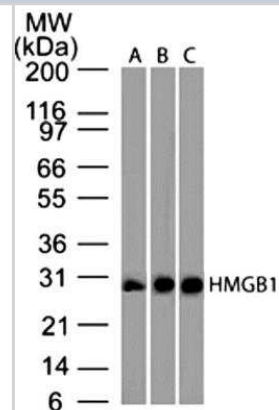
Description	Novus Biologicals Mouse HMGB1/HMG-1 Antibody (19N15F4) - BSA Free (NBP2-27401) is a monoclonal antibody validated for use in IHC, WB and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3146
Gene Symbol	HMGB1
Species	Human, Mouse
Reactivity Notes	Based upon immunogen sequence similarity, this antibody is predicted to react 100% with olive baboon, crab-eating macaque, and common marmoset.
Specificity/Sensitivity	This antibody recognizes both the box A domain (amino acids 9-79) and full length HMGB1 protein.
Immunogen	Full-length recombinant human HMGB1 was used as the immunogen for the antibody.

Product Application Details

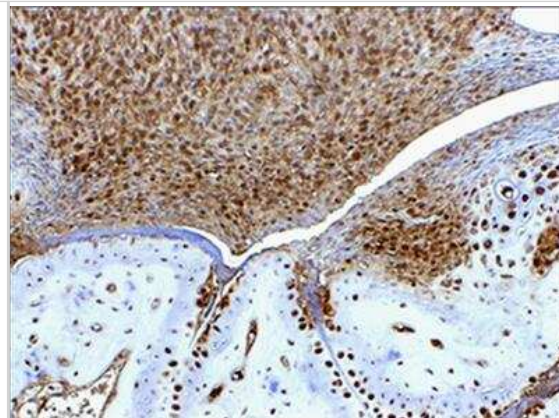
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1-3ug/ml~, Flow Cytometry 0.5ug/5x10^5cells~, Immunohistochemistry, Immunohistochemistry-Paraffin 5ug/ml

Images

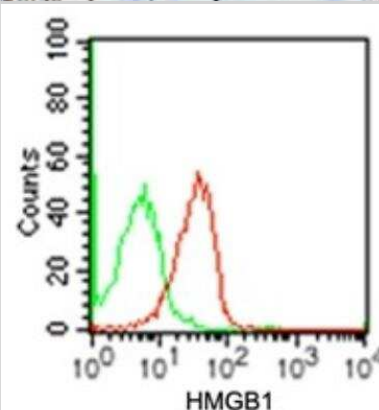
Western Blot: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein on (A) Full-length human HMGB1 protein (B) human Jurkat cell lysate and (C) mouse NIH 3T3 cell lysate using HMGB1 antibody (clone 19N15F4) at 2 ug/ml concentration. Goat anti-mouse IgG HRP secondary antibody and PicoTect ECL substrate solution were used in this assay.



Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - IHC-P detection of HMGB1 protein in formalin-fixed, decalcified, paraffin embedded tissue sections from the paws of mouse (collagen-induced arthritis model) using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml [Image courtesy of Dr Ulf Andersson, Karolinska]



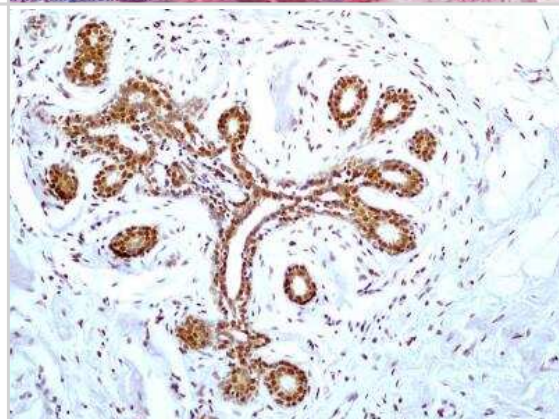
Flow Cytometry: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Intracellular analysis using HMGB1 antibody. Human Jurkat cells were probed using 0.5 ug of HMGB1 antibody (red) and 0.5 ug of isotype control antibody (green).



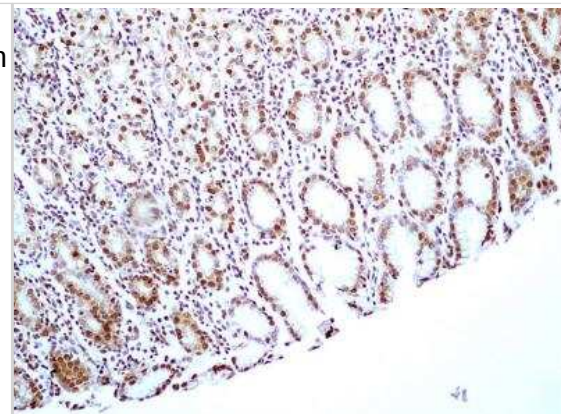
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Formalin-fixed, paraffin-embedded human skin stained with HMGB1 antibody at 5 ug/ml



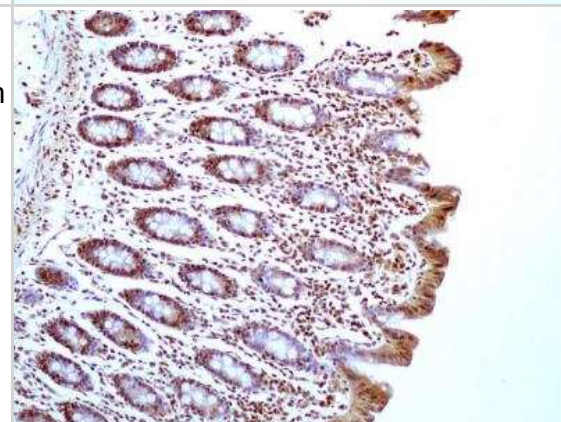
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a section of human breast normal tissue using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. The ductal /acinar epithelial cells in the breast tissue section depicted strong nuclear expression with some cytoplasmic positivity. The myoepithelial cells and few cells of the intra-lobular connective tissue showed relatively weak nuclear positivity for HMGB1.



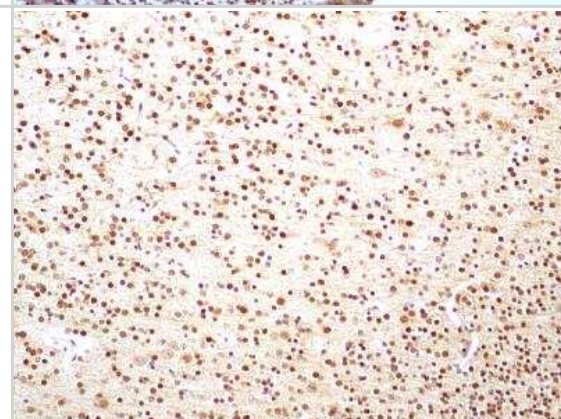
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a section of normal human stomach tissue using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. The cells of the glandular stomach showed specific nuclear expression for HMGB1.



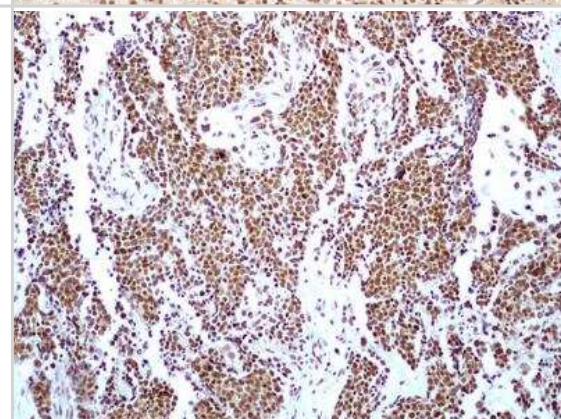
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a tissue section of normal human colon using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. Almost all the cells of colon's mucosal layer showed nuclear positivity for HMGB1 but the cells of the columnar epithelial cells on the absorptive surface developed cytoplasmic staining also.



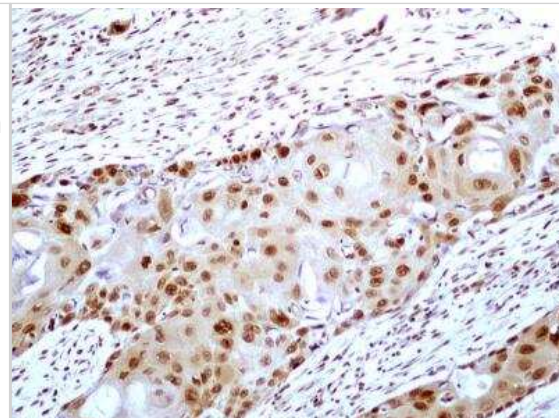
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a tissue section of normal human brain using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. The representative image shows an overall strong nuclear HMGB1 immunopositivity with weak to negligible cytoplasmic staining in brain cells.



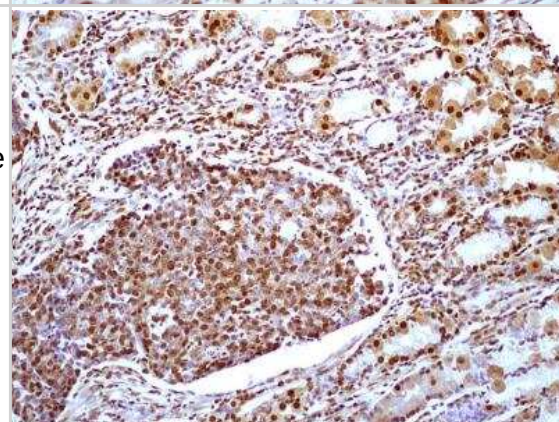
Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a tissue section of human bladder transitional cell carcinoma (TCC) / urothelial cell carcinoma (UCC) using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. Almost all the cancer cells and the cells of tumor stroma developed strong/specific nuclear HMGB1 immunopositivity.



Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a tissue section of human esophageal squamous cell carcinoma (SCC) using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. Strong nuclear along with weak cytoplasmic immunopositivity for HMGB1 was observed in SCC cells and the tumor stroma cells developed relatively weak staining for this target.



Immunohistochemistry-Paraffin: HMGB1/HMG-1 Antibody (19N15F4) [NBP2-27401] - Analysis of HMGB1 protein in a section of human small intestinal cancer tissue using HMGB1 antibody (clone 19N15F4) at a concentration of 5 ug/ml. Intense nuclear immunopositivity of HMGB1 was observed in cancer cells and the cells of tumor stroma as well as the adjacent normal crypts. Some glandular cells in the crypts developed both nuclear and cytoplasmic staining.





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Products Related to NBP2-27401

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-27401APC	HMGB1/HMG-1 Antibody (19N15F4) [Allophycocyanin]

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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