Product Datasheet

HMGA1 Antibody (5J0E6)
NBP3-16379-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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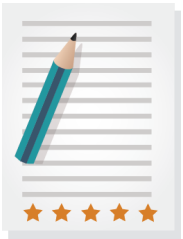
Updated 7/31/2025 v.20.1



NBP3-16379-100ul

HMGA1 Antibody (5J0E6)

Product Information

Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5J0E6
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA
Target Molecular Weight	12 kDa

Product Description

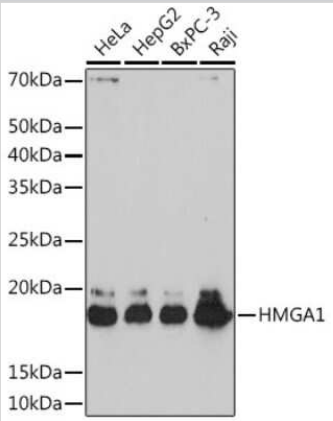
Host	Rabbit
Gene ID	3159
Gene Symbol	HMGA1
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-107 of human HMGA1 (P17096). MSESSSKSSQPLASKQEKDGTEKRGRGRPRKQPPVSPGTALVGSQKEPSEVP TPKRPRGRPKGSKNKGAAKTRKTTTTPGRKPRGRPKKLEKEEEEGISQESSEE EQ

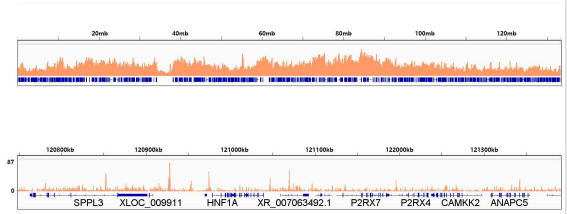
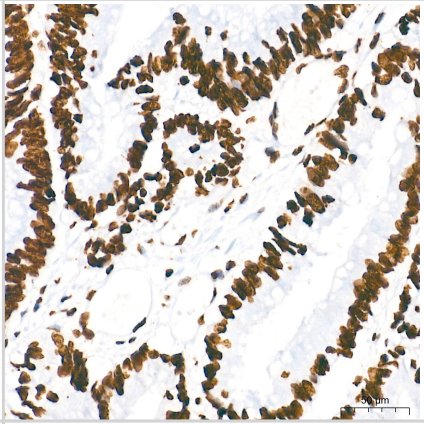
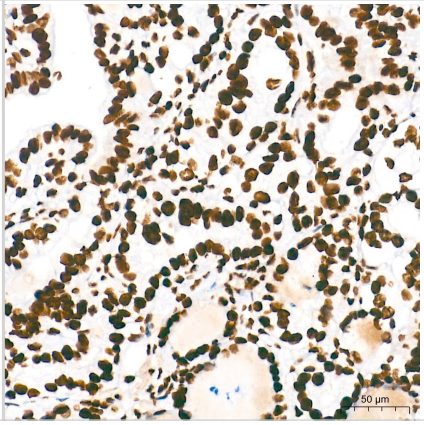
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000 - 1:4000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:2000 - 1:8000, Immunocytochemistry/ Immunofluorescence 1:100 - 1:1000, Immunohistochemistry-Paraffin 1:2000 - 1:8000, Chromatin Immunoprecipitation (ChIP) 3ug antibody for 10ug-15ug of Chromatin

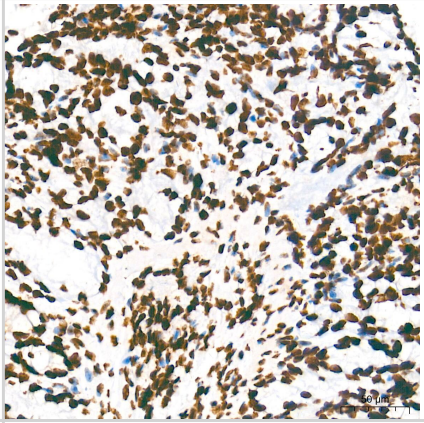
Images

Western Blot: HMGA1 Antibody (5J0E6) [NBP3-16379] - Western blot analysis of extracts of various cell lines, using HMGA1 Rabbit mAb (NBP3-16379) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

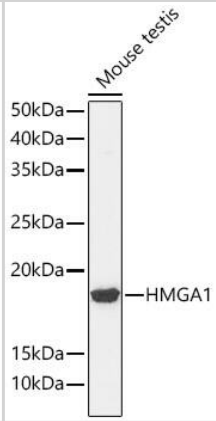


Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	
Chromatin Immunoprecipitation: HMGA1 Antibody (5J0E6) [NBP3-16379] - Chromatin immunoprecipitation was performed with 25 ug of cross-linked chromatin from HepG2 cells using 5 ug of HMGA1 Rabbit mAb . DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2. The ChIP sequencing results indicate the enrichment pattern of HMGA1 across chromosome 12(upper panel) and the genomic region encompassing HNF1A, a representative gene enriched in HMGA1 (lower panel).	
Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	
Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	

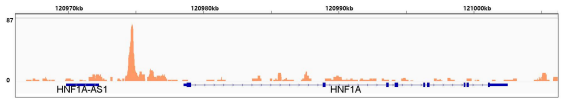
Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



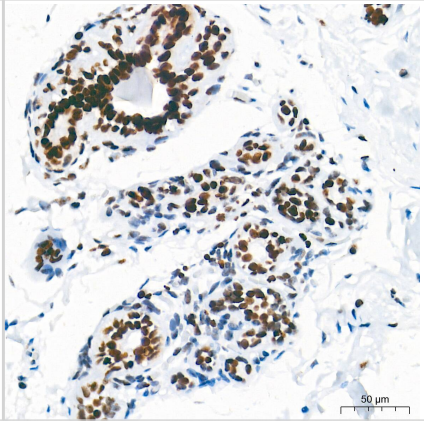
Western Blot: HMGA1 Antibody (5J0E6) [NBP3-16379] - Western blot analysis of lysates from Mouse testis, using HMGA1 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 90s.



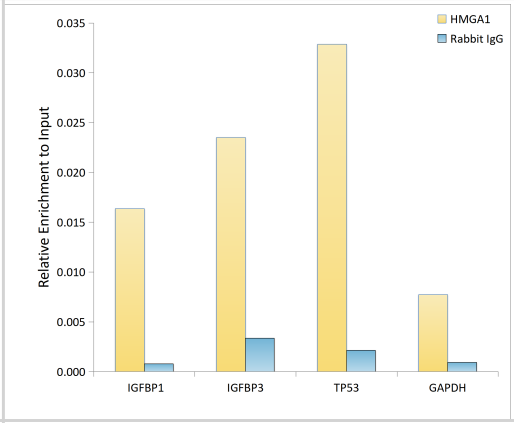
Chromatin Immunoprecipitation: HMGA1 Antibody (5J0E6) [NBP3-16379] - Chromatin immunoprecipitation was performed with 25 ug of cross-linked chromatin from HepG2 cells using 5 ug of HMGA1 Rabbit mAb . DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2. The ChIP sequencing results indicate the enrichment pattern of HMGA1 in the representative genomic region surrounding HNF1A gene.



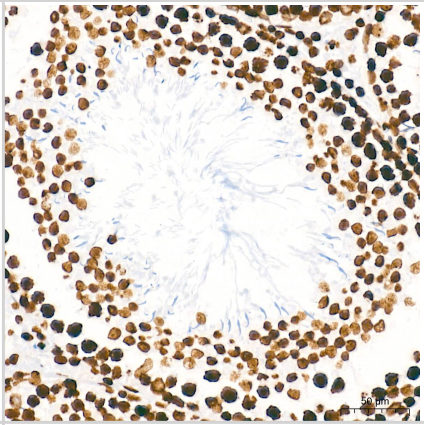
Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Human breast tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



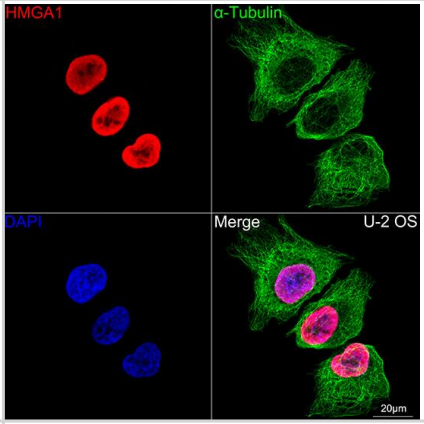
Chromatin Immunoprecipitation: HMGA1 Antibody (5J0E6) [NBP3-16379] - Chromatin immunoprecipitation analysis of extracts from HepG2 cells, using HMGA1 antibody and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



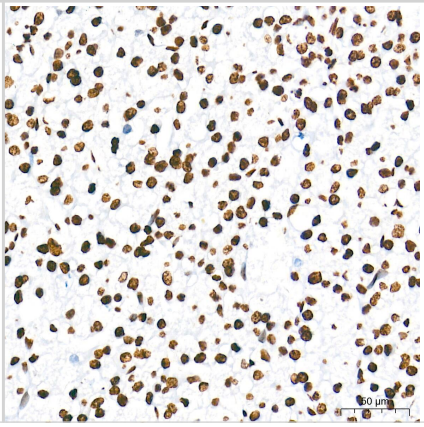
Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunocytochemistry/ Immunofluorescence: HMGA1 Antibody (5J0E6) [NBP3-16379] - Confocal imaging of U-2 OS cells using HMGA1 Rabbit mAb. The cells were counterstained with alpha-Tubulin Mouse mAb (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry: HMGA1 Antibody (5J0E6) [NBP3-16379] - Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using HMGA1 Rabbit mAb at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.	

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NBP2-24891	Rabbit IgG Isotype Control
NBP1-72385-50ug	Recombinant Human HMGA1 His Protein

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