HMGA1 Polyclonal antibody, PBS Only

Catalog Number:29895-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
29895-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG31866

GenBank Accession Number:
BC071864

GeneID (NCBI):
3159

UNIPROT ID:
P17096

Full Name:
high mobility group AT-hook 1

Observed MW:
20 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

HMGA1, the high mobility group A1, encodes an oncofoetal protein that remodels the chromatin structure and promotes the interaction between transcriptional regulatory proteins and DNA in different cancers (PMID:8414980, PMID:11406267). The isoforms HMGA1a and HMGA1b can cross link DNA fibers in vitro and induce chromatin clustering in vivo (PMID:21596776). Mice lacking variant of HMGA1 are diabetic, show a cardiac hypertrophy and low levels of the insulin receptor (PMID:19664187). HMGA1 protein is mainly located in nucleus, especially in heterochromatin. HMGA1 is up-regulated in many tumours, including epithelial and mesenchymal tissue-originated tumours (PMID:30614613).
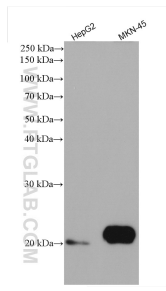
Storage

Storage:
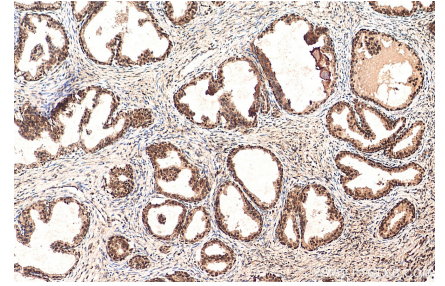Store at -80℃.
Storage Buffer:
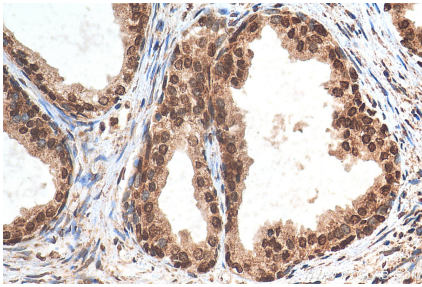PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 29895-1-AP (HMGA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.
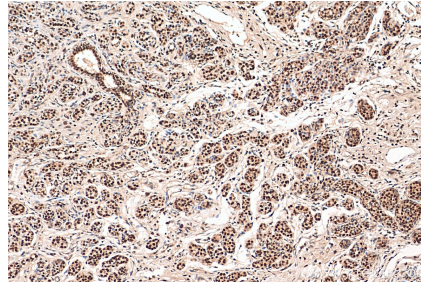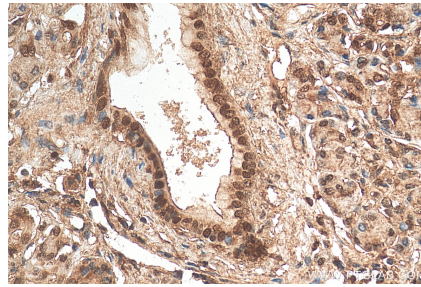

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 29895-1-AP (HMGA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 29895-1-AP (HMGA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.
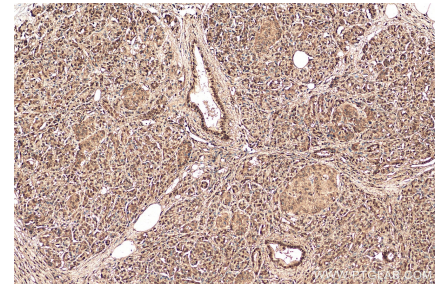

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 29895-1-AP (HMGA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.
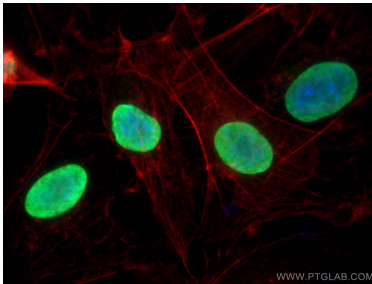

Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 29895-1-AP (HMGA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 29895-1-AP (HMGA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using HMGA1 antibody (29895-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 29895-1-PBS in a different storage buffer formulation.