

For Research Use Only

Histone H3.3 Polyclonal antibody, PBS Only

Catalog Number: 13754-1-PBS

Featured Product



Basic Information

Catalog Number:

13754-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4696

GenBank Accession Number:

BC038989

GeneID (NCBI):

3020

UNIPROT ID:

P84243

Full Name:

H3 histone, family 3A

Calculated MW:

136 aa, 15 kDa

Observed MW:

15-17 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Histones are the basic nuclear proteins responsible for the nucleosome structure of the chromosomal fiber. Five classes of histone genes have been reported, some of which are expressed only during S phase, while others are replication independent. The latter are referred to as replacement histones and are expressed in quiescent or terminally differentiated cells. [PMID: 8586426] Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. H3F3A is one replacement histone [PMID:16258499].

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

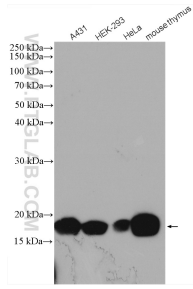
T: 4006900926

E: Proteintech-CN@ptglab.com

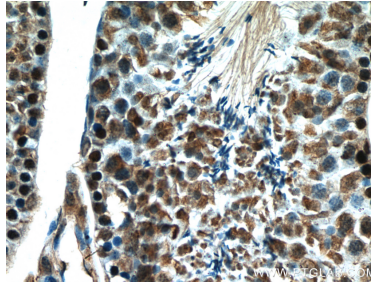
W: ptgcn.com

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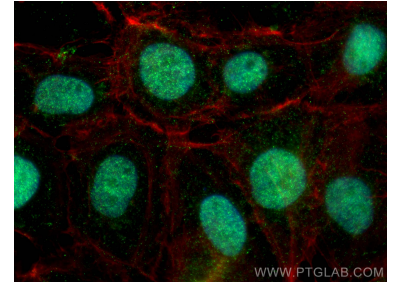
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13754-1-AP (Histone H3.3 antibody) at dilution of 1:1000 incubated at 4 degree celsius over night. This data was developed using the same antibody clone with 13754-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13754-1-AP (Histone H3.3 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13754-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Histone H3.3 antibody (13754-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 13754-1-PBS in a different storage buffer formulation.