

Histone H3.3 Polyclonal Antibody

Catalog number: 13754-1-AP

Size: 49 µg/150 µl

Source: Rabbit

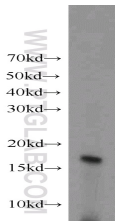
Isotype: IgG

Synonyms:

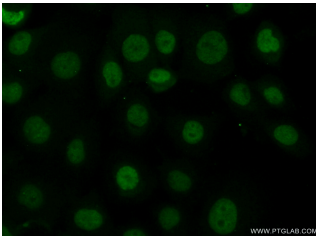
H3F3A; H3 histone, family 3A,

H3.3A, H3.3B, H3F3, H3F3A,

H3F3B, Histone H3.3



A431 cells were subjected to SDS PAGE followed by western blot with 13754-1-AP (H3F3A antibody) at dilution of 1:400



Immunofluorescent analysis of (10% Formaldehyde) fixed A431 cells using 13754-1-AP (Histone H3.3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

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].

Applications

Tested applications: ELISA, WB, IF

Species specificity: Human, Mouse, Rat; other species not tested.

Calculated Histone H3.3 MW: 136aa, 15 kDa

Observed Histone H3.3 MW: 15-17 kDa

Positive WB detected in A431 cells, HEK-293 cells, HeLa cells, mouse kidney tissue, mouse lung tissue, mouse thymus tissue

Positive IF detected in A431 cells

Recommended dilution: WB: 1:500-1:5000

IF: 1:50-1:500

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen: Ag4696

GenBank accession number: BC038989

Gene ID (NCBI): 3020

Full name: H3 histone, family 3A

Product information

Purification method: Antigen affinity purification

Storage: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.