

Histone H3.3 Monoclonal Antibody

CAB4835

Description

This Histone H3.3 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB4835
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: H3F3, H3-3B, H3.3A, H3F3A, BRYLIB1, Histone H3.3
Clone: ARC0255
Applications: WB IHC-P ChIP ChIP-seq ELISA
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID: 3020
Uniprot: AB_2863356
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 17kDa
Calculated MW: 15kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

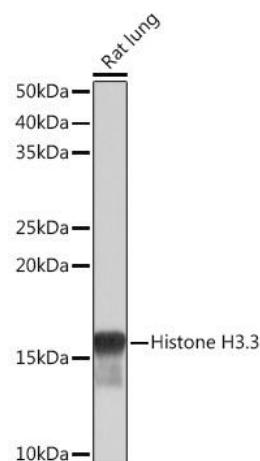
Positive Sample: HeLa, 294T, Mouse lung/Rat lung

Recommended Dilutions:

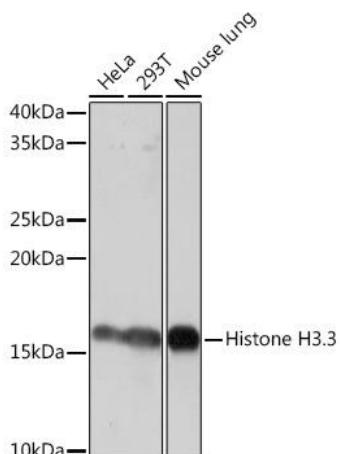
WB	1:1000 - 1:6000
IHC-P	1:100 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 2µg antibody for 5µg-10µg of Chromatin ChIP-seq 1:50 - 1:200

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

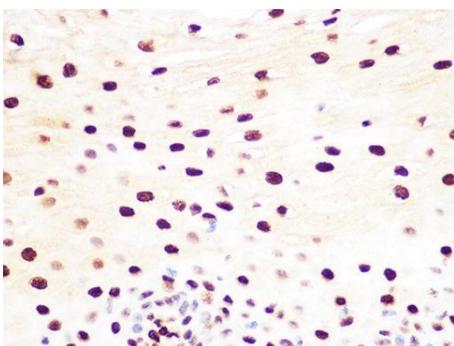
Validation Data



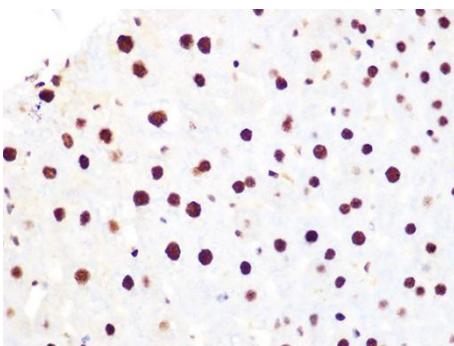
Western blot analysis of lysates from Rat lung, using Histone.3 Rabbit mAb (CAB4835) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



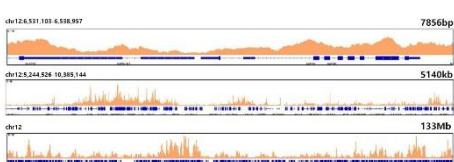
Western blot analysis of various lysates using Histone.3 Rabbit mAb (CAB4835) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human esophageal using Histone.3 Rabbit mAb (CAB4835) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using Histone.3 Rabbit mAb (CAB4835) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Chromatin immunoprecipitations were performed with cross-linked chromatin from HeLa cells and Histone.3 Rabbit mAb (CAB4835). The ChIP sequencing results indicate the enrichment pattern of Histone.3 in selected genomic region and representative gene loci (GAPDH), as shown in figure.