

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

35-1485: Polyclonal Antibody to Histone H3.1 (Ab-10)

Clonality: Polyclonal Application: WB,IF

Reactivity: Human, Mouse, Rat

 Gene :
 HIST1H3A

 Gene ID :
 8350

 Uniprot ID :
 P68431

 Format :
 Purified

Alternative Name: H3/a, H3/c, H3/d, H3/f, H3/h

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around aa.8~12 (R-K-S-T-G) derived from Human Histone H3.1.

Description

Core component of nucleosome. 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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 17kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200

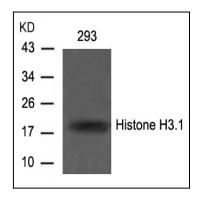


Figure 1: Western blot analysis of extracts from 293 cells using Histone H3.1 (Ab-10) Antibody 35-1485.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

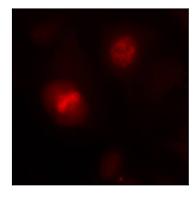


Figure 2: Immunofluorescence staining of methanol-fixed Hela cells using Histone H3.1 (Ab-10) Antibody 35-1485 .