P30266

Histone H3.1 pAb

☐50 μl
☐100 μl
☐200 μl

Orders ■ 400-6123-828
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BACKGROUND
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.

REFERENCES
1. Mehedint MG et al. Choline deficiency alters global histone methylation and epigenetic marking at the Re1 site of the calbindin 1 gene. FASEB J 24:184-95.

SOURCE
Histone H3.1 polyclonal antibody is produced by immunizing rabbit with a synthetic peptide corresponding to residues of human H3.1(NP_003520.1).

SPECIFICITY
Histone H3.1 polyclonal antibody detects endogenous levels of total histone H3.1.

STORAGE
Store at -20°C. Stable for one year from the date of shipment.

REACTIVITY
H, Mk, M, ChHm, soybean, Arabidopsis thaliana

ISOTYPE
Rabbit IgG

PREDICTED MOLECULAR WEIGHT
17 kDa

APPLICATION TESTED

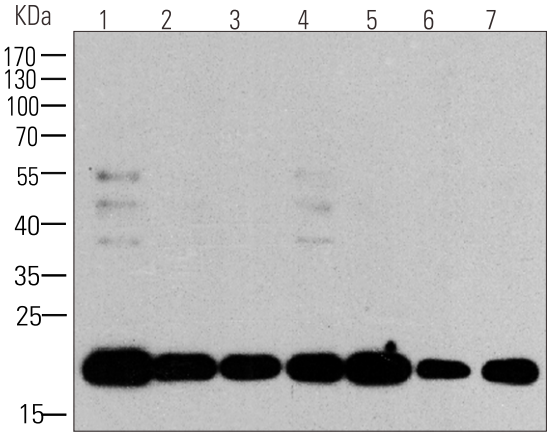
WB	1: 5000-1: 20000
WB	1:500 (soybean, Arabidopsis thaliana)

For application specific protocols please see the web page at www. abmart. com. cn/ document. aspx

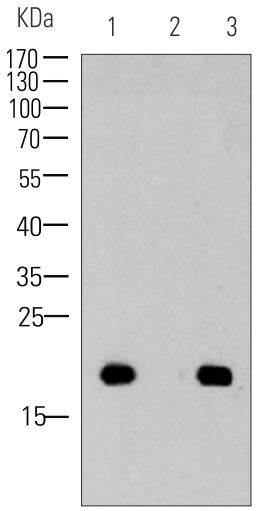
SECONDARY ANTIBODY

Use an **anti-RABBIT** secondary antibody.

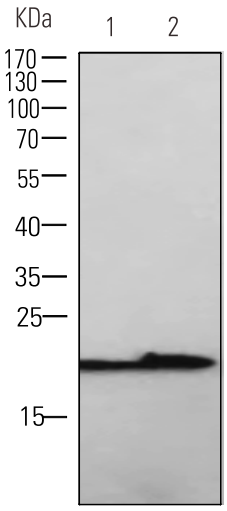
APPLICATION DATA



Western blot analysis of lysates from various cell lines:
Lane1-7: Hela, HEK293, Cos-7, NIH/3T3, CHO-K1, PC12, C6
Primary antibody: 1: 5000



Western blot analysis and peptide inhibition:
293T nuclear extract (Lane1); Histone H3.1 pAb pre-adsorbed with 2μM antigen petptide (lane2); Histone H3.1 pAb pre-absortbed with 2μM negative control peptide (lane3).
Primary antibody: 1: 20000



Western blot analysis of lysates from various cell lines:
Lane1-2: soybean,Arabidopsis thaliana
Primary antibody: 1: 500

Applications Key: WB —Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence