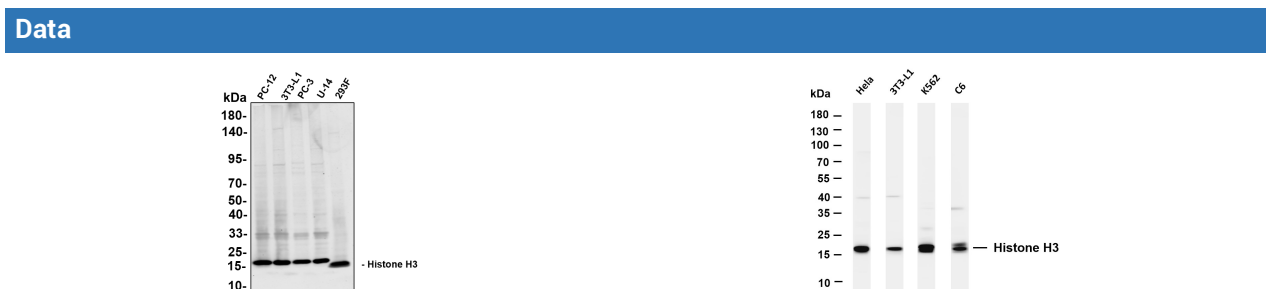


Recombinant Histone H3 Monoclonal Antibody

catalog number: **AN300856L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Histone H3 protein
Host	Rabbit
Isotype	IgG, κ
Clone	C110480
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
IHC	1:5000-1:20000
WB	1:5000-1:20000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200
CHIP	1:50-1:100
Cut&Tag	1:50-1:100



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, overnight with a 1:10000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: PC-12 - Rat adrenal pheochromocytoma Lane2: 3T3-L1 - Mouse embryonic fibroblast Lane3: PC-3 - Human prostate adenocarcinoma Lane4: U-14 - Mouse cervical carcinoma Lane5: 293F - HEK293 derivative, adapted for suspension culture Predicted band size: 15kDa Observed band size: 15kDa

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Histone H3 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: 3T3-L1 Lane 3: K562 Lane 4: C6 Predicted band size: 15kDa Observed band size: 15kDa

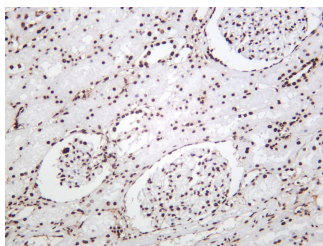
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Toll-free: 1-888-852-8623
Web: www.elabscience.com

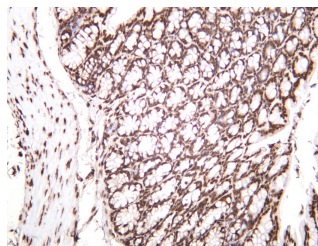
Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

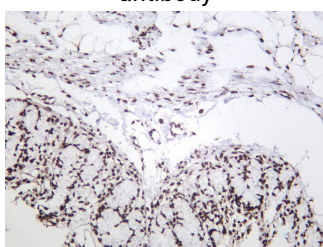
Rev. V1.3



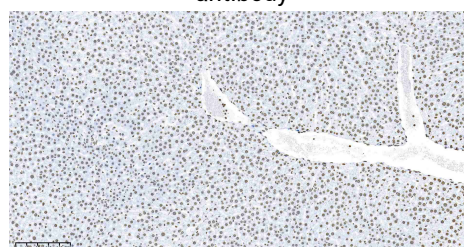
Human kidney was stained with anti-Histone H3 rabbit antibody



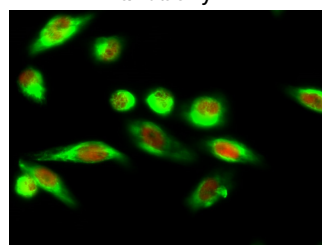
Mouse colon was stained with anti-Histone H3 rabbit antibody



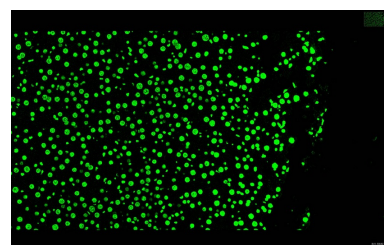
Rat colon was stained with anti-Histone H3 rabbit antibody



Rat liver was stained with anti-Histone H3 Rabbit antibody



Immunofluorescence analysis of Hela cell. 1, Histone H3 Antibody (red) was diluted at 1:200 (4°C overnight). LC3A mouse Monoclonal Antibody (5G10) (green) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).



Rat liver was stained with anti-Histone H3 Rabbit antibody

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

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