

Histone H4 Polyclonal Antibody

catalog number: **E-AB-61560**

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

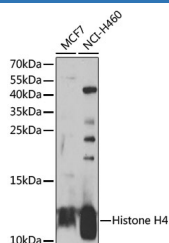
Description

Reactivity	Human;Mouse;Rat;Other (Wide Range)
Immunogen	Recombinant fusion protein of human HIST2H4B
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

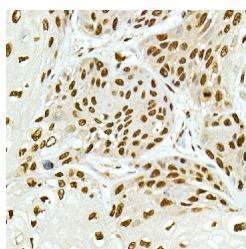
WB	1:500-1:2000
IHC	1:50-1:200

Data

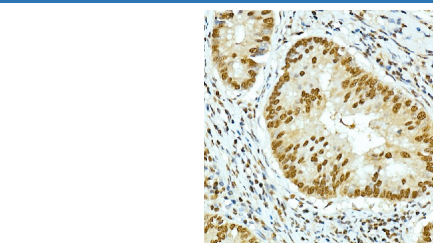
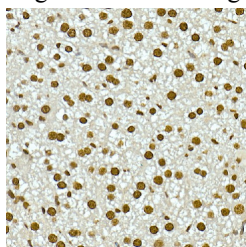


Western blot analysis of extracts of various cell lines using Histone H4 Polyclonal Antibody at 1:1000 dilution.

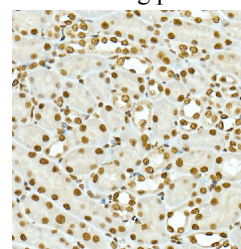
Observed-MV:11 kDa
Calculated-MV:11 kDa



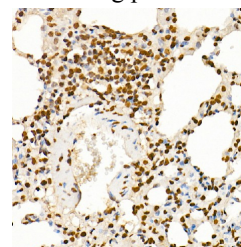
Immunohistochemistry of paraffin-embedded human esophageal cancer using Histone H4 Polyclonal antibody at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human colon carcinoma using Histone H4 Polyclonal Antibody at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse kidney using Histone H4 Polyclonal antibody at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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Immunohistochemistry of paraffin-embedded mouse liver using Histone H4 Polyclonal antibody at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded rat lung using Histone H4 Polyclonal antibody at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Preparation & Storage

Storage

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

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy.

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