HIST1H3A Antibody

Catalog No: #43793

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Description

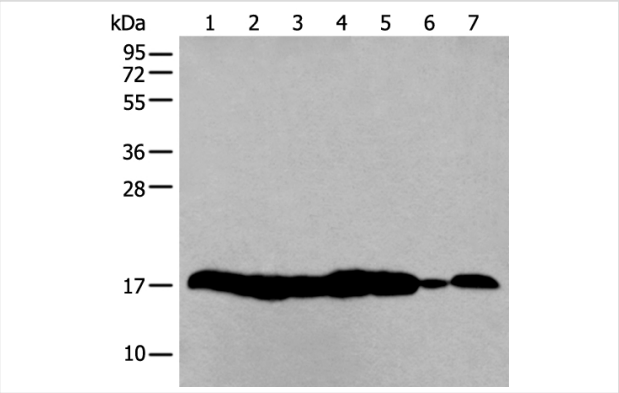
Product Name	HIST1H3A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total HIST1H3A protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human HIST1H3A
Target Name	HIST1H3A
Other Names	H3/A; H3FA
Accession No.	Swiss-Prot#: P68431NCBI Gene ID: 8350
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
Calculated MW	15kd
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

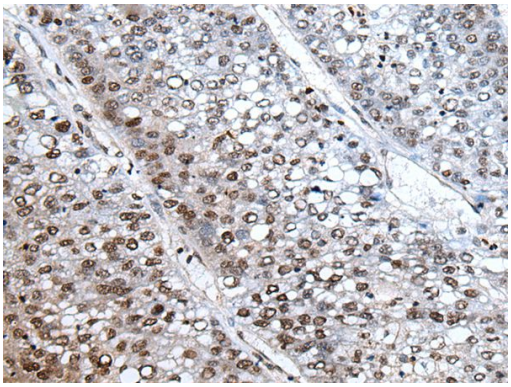
Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

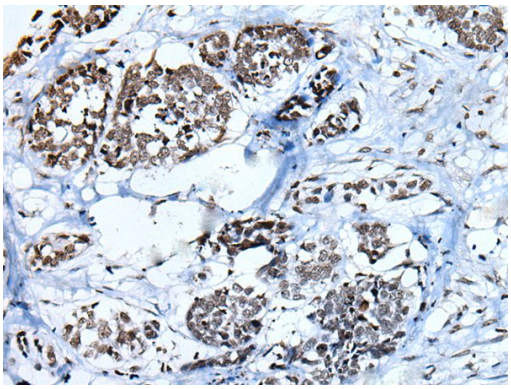
Images



Gel: 12%SDS-PAGE
Lysate: 40 µg, Lane 1-7: Hela,231,A549,293T and NIH/3T3 cell,Mouse liver tissue,HUVEC cell lysates,
Primary antibody:HIST1H3A antibody at dilution 1/250,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 70 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using HIST1H3A Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using HIST1H3A Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

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.

Note: This product is for in vitro research use only