

Rabbit anti-Phospho-Histone H3-S10 Monoclonal Antibody

Catalog Number: R16081M

General Information

Immunogen	A phospho specific peptide corresponding to residues surrounding S10 of human Histone H3
IgG type	IgG
Clonality	Monoclonal
Specificity	Phospho-Histone H3-S10
Applications & dilution	WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Abbreviation:

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry

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.

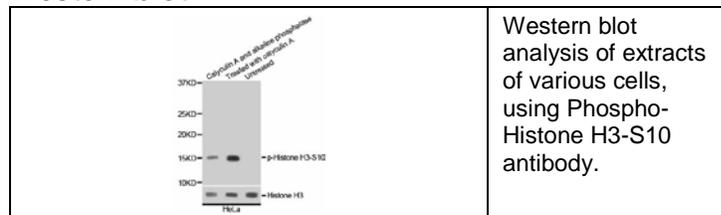
For research use only

Preparation

Monoclonal antibody is produced by immunizing rabbit with a phospho specific peptide corresponding to residues surrounding S10 of human Histone H3 and purified using protein A resin.

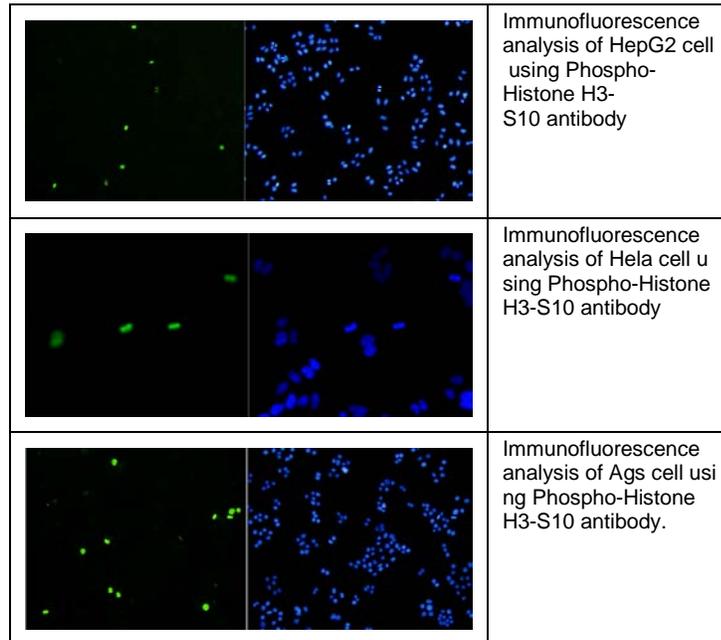
Applications

Western blot

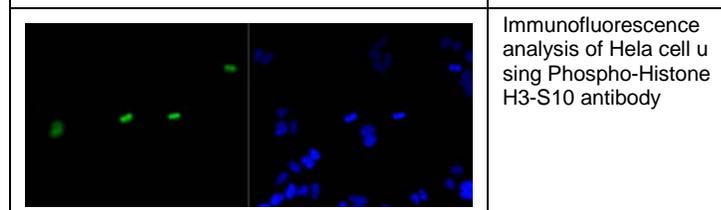


Western blot analysis of extracts of various cells, using Phospho-Histone H3-S10 antibody.

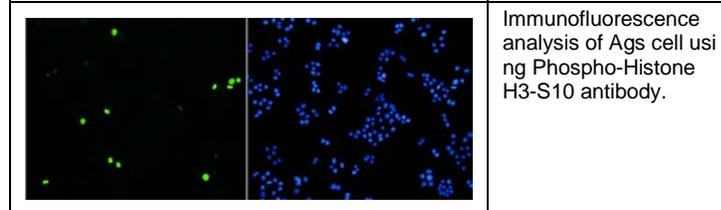
Immunofluorescence



Immunofluorescence analysis of HepG2 cell using Phospho-Histone H3-S10 antibody

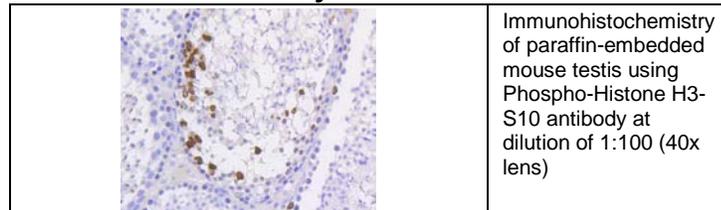


Immunofluorescence analysis of HeLa cell using Phospho-Histone H3-S10 antibody



Immunofluorescence analysis of Ags cell using Phospho-Histone H3-S10 antibody.

Immunohistochemistry



Immunohistochemistry of paraffin-embedded mouse testis using Phospho-Histone H3-S10 antibody at dilution of 1:100 (40x lens)

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Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

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