Histone H2BS14ph antibody (mAb)

Catalog No: 61011
RRID: AB_2793475
Clone: MABI 0251
Isotype: IgG1
Application(s): ICC, IF, WB
Reactivity: Human, Wide Range Predicted

Quantity: 100 µg
Purification: Protein G Chromatography
Host: Mouse
Concentration: 0.46 µg/µl
Molecular Weight: 15 kDa

Background: Histone H2B is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points. Histone H1 is responsible for establishing higher-order chromatin structure. Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins. H2B is phosphorylated at serine 14 in response to DNA damage (dependant upon PI3 kinase kinase activity) and during apoptosis.by the Mst1 kinase.

Immunogen: This Histone H2B phospho Ser14 antibody was raised against a peptide containing phospho Ser14 of human histone H2B.

Buffer: PBS pH 7.5 containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.

Application Notes:

Storage and Guarantee: Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. This product is guaranteed for 12 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.

This antibody is manufactured by MAB Institute, Inc.