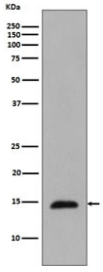
Phospho-Histone H2B Antibody [clone DEI-8] (RQ4992)

Catalog No.	Formulation	Size
RQ4992	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Yeast
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DEI-8
Purity	Affinity purified
UniProt	P02293
Applications	Western blot: 1:500-1:1000
Limitations	This phospho-Histone H2B antibody is available for research use only.



Western blot testing of lysate from Methyl methanesulfonate-treated Saccharomyces cerevisiae with phospho-Histone H2B antibody. Predicted molecular weight ~14 kDa.

Description

Phospho-Histone H2B Antibody detects the phosphorylated form of Histone H2B, a core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. This antibody is part of a broader collection of Histone H2B antibodies used to study chromatin structure, histone modifications, and epigenetic regulation.

Application Notes

Optimal dilution of the phospho-Histone H2B antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to yeast Histone H2B (surrounding pT129) was used as the immunogen for the phospho-Histone H2B antibody.

Storage

Store the phospho-Histone H2B antibody at -20oC.

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