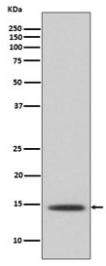
Histone H2B Antibody [clone HAD-8] (RQ4765)

Catalog No.	Formulation	Size
RQ4765	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	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	HAD-8
Purity	Affinity purified
UniProt	O60814
Applications	Western blot: 1:5000-1:20000
Limitations	This Histone H2B antibody is available for research use only.



Western blot testing of human A431 cell lysate with Histone H2B antibody. Predicted molecular weight ~14 kDa.

Description

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. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid. 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 Histone H2B antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Histone H2B / HIST1H2BK was used as the immunogen for the Histone H2B antibody.

Storage

Store the Histone H2B antibody at -20oC.

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